
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 23)*

Medpace Holdings, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

58506Q109

(CUSIP Number)

August J. Troendle
5375 Medpace Way,
Cincinnati, OH, 45227
(513) 579-9911

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

11/26/2025

(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. ☐

The information required on the remainder of this cover page shall not be deemed to be “filed” for the purpose of Section 18 of the Securities Exchange Act of 1934 (“Act”) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

SCHEDULE 13D

CUSIP No. 58506Q109

Name of reporting person

1

August J. Troendle

2

Check the appropriate box if a member of a Group (See Instructions)

	☐ (a)
	☒ (b)
3	SEC use only
	Source of funds (See Instructions)
4	PF
	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
5	☐
	Citizenship or place of organization
6	UNITED STATES
	Sole Voting Power
7	675,728.00
Number of	Shared Voting Power
Shares	
Beneficially	8 4,733,019.00
Owned by	Sole Dispositive Power
Each	9 675,728.00
Reporting	Shared Dispositive Power
Person	
With:	10 4,733,019.00
	Aggregate amount beneficially owned by each reporting person
11	5,682,934.00
	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12	☐
	Percent of class represented by amount in Row (11)
13	20.0 %
	Type of Reporting Person (See Instructions)
14	IN

SCHEDULE 13D

CUSIP No. 58506Q109

	Name of reporting person
1	Medpace Investors, LLC
	Check the appropriate box if a member of a Group (See Instructions)
2	☐ (a)
	☒ (b)
3	SEC use only
	Source of funds (See Instructions)
4	OO
	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
5	☐
	Citizenship or place of organization
6	DELAWARE
Number of	7 Sole Voting Power

Shares	
Beneficially	0.00
Owned by	Shared Voting Power
Each	8
Reporting	4,733,019.00
Person	Sole Dispositive Power
With:	9
	0.00
	Shared Dispositive Power
	10
	4,733,019.00
	Aggregate amount beneficially owned by each reporting person
11	4,733,019.00
	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12	☐
	Percent of class represented by amount in Row (11)
13	16.6 %
	Type of Reporting Person (See Instructions)
14	OO

Comment for Type of Reporting Person: (Limited liability company)

SCHEDULE 13D

Item 1. Security and Issuer

Title of Class of Securities:

(a)

Common Stock

Name of Issuer:

(b)

Medpace Holdings, Inc.

Address of Issuer's Principal Executive Offices:

(c)

5375 Medpace Way, Cincinnati, OHIO , 45227.

Item 1 This Amendment No. 23 to the Schedule 13D (this "Amendment No. 23") amends and supplements the Statement on
Comment: Schedule 13D filed with the United States Securities and Exchange Commission on August 26, 2016, as amended by Amendment No. 1 filed on August 8, 2018, Amendment No. 2 filed on October 2, 2018, Amendment No. 3 filed on February 6, 2019, Amendment No. 4 filed on August 5, 2019, Amendment No. 5 filed on August 7, 2019, Amendment No. 6 filed on August 15, 2019, Amendment No. 7 filed on September 17, 2019, Amendment No. 8 filed on May 8, 2020, Amendment No. 9 filed on July 31, 2020, Amendment No. 10 filed on August 14, 2020, Amendment No. 11 filed on December 21, 2020, Amendment No. 12 filed on April 21, 2021, Amendment No. 13 filed on September 1, 2021, Amendment No. 14 filed on December 23, 2021, Amendment No. 15 filed on July 6, 2022, Amendment No. 16 filed on September 13, 2022, Amendment No. 17 filed September 21, 2022, Amendment No. 18 filed September 22, 2023, Amendment No. 19 filed December 5, 2023, Amendment No. 20 filed February 28, 2024, Amendment No. 21 filed March 8, 2024, and Amendment No. 22 filed March 11, 2025 (collectively, the "Statement"), relating to the common stock (the "Common Stock"), of Medpace Holdings, Inc., a Delaware corporation (the "Issuer"). Capitalized terms used herein without definition shall have the meaning set forth in the Statement.

Item 5. Interest in Securities of the Issuer

(a)

See Items 7 - 13 of the cover pages above.

(b)

See Items 7 - 13 of the cover pages above.

(c)

August J. Troendle ("Mr. Troendle") has sold shares of common stock in open market transactions executed pursuant to limit orders between November 12, 2025 and November 28, 2025 as follows: On November 12, 2025, Mr. Troendle sold 626 shares at prices ranging from \$600.23 to \$600.89 (a weighted-average price of \$600.52 per share). On November 12, 2025, Mr. Troendle sold 836 shares at prices ranging from \$601.42 to \$602.22 (a weighted-average price of \$602.10 per share). On November 12, 2025, Mr. Troendle sold 695 shares at prices ranging from \$602.32 to \$603.20 (a weighted-average price of \$602.65 per share). On November 12, 2025, Mr. Troendle sold 2,224 shares at prices ranging from \$603.24 to \$604.22 (a weighted-average price of \$604.01 per share). On November 12, 2025, Mr.

Troendle sold 931 shares at prices ranging from \$604.28 to \$605.01 (a weighted-average price of \$604.66 per share). On November 13, 2025, Mr. Troendle sold 1,613 shares at prices ranging from \$600.00 to \$600.935 (a weighted-average price of \$600.13 per share). On November 13, 2025, Mr. Troendle sold 2,564 shares at prices ranging from \$601.00 to \$601.985 (a weighted-average price of \$601.35 per share). On November 13, 2025, Mr. Troendle sold 408 shares at prices ranging from \$602.12 to \$602.92 (a weighted-average price of \$602.76 per share). On November 13, 2025, Mr. Troendle sold 317 shares at prices ranging from \$603.09 to \$603.965 (a weighted-average price of \$603.53 per share). On November 13, 2025, Mr. Troendle sold 226 shares at prices ranging from \$604.225 to \$605.21 (a weighted-average price of \$605.03 per share). On November 14, 2025, Mr. Troendle sold 1,218 shares at prices ranging from \$590.00 to \$590.96 (a weighted-average price of \$590.20 per share). On November 14, 2025, Mr. Troendle sold 243 shares at prices ranging from \$591.05 to \$591.99 (a weighted-average price of \$591.72 per share). On November 14, 2025, Mr. Troendle sold 2,064 shares at prices ranging from \$592.02 to \$592.98 (a weighted-average price of \$592.62 per share). On November 14, 2025, Mr. Troendle sold 926 shares at prices ranging from \$593.01 to \$593.97 (a weighted-average price of \$593.39 per share). On November 14, 2025, Mr. Troendle sold 1,601 shares at prices ranging from \$594.04 to \$594.895 (a weighted-average price of \$594.27 per share). On November 14, 2025, Mr. Troendle sold 1,505 shares at prices ranging from \$595.065 to \$595.995 (a weighted-average price of \$595.74 per share). On November 14, 2025, Mr. Troendle sold 2,580 shares at prices ranging from \$596.00 to \$596.915 (a weighted-average price of \$596.46 per share). On November 14, 2025, Mr. Troendle sold 3,512 shares at prices ranging from \$597.00 to \$597.97 (a weighted-average price of \$597.35 per share). On November 14, 2025, Mr. Troendle sold 291 shares at prices ranging from \$598.01 to \$598.54 (a weighted-average price of \$598.20 per share). On November 14, 2025, Mr. Troendle sold 187 shares of common stock in an open market transaction at a price of \$599.30 per share. On November 14, 2025, Mr. Troendle sold 620 shares at prices ranging from \$600.00 to \$600.51 (a weighted-average price of \$600.09 per share). On November 17, 2025, Mr. Troendle sold 3,314 shares at prices ranging from \$590.00 to \$590.92 (a weighted-average price of \$590.28 per share). On November 17, 2025, Mr. Troendle sold 1,942 shares at prices ranging from \$591.005 to \$591.89 (a weighted-average price of \$591.63 per share). On November 17, 2025, Mr. Troendle sold 737 shares at prices ranging from \$592.00 to \$592.78 (a weighted-average price of \$592.43 per share). On November 17, 2025, Mr. Troendle sold 54 shares at prices ranging from \$593.02 to \$593.185 (a weighted-average price of \$593.04 per share). On November 18, 2025, Mr. Troendle sold 4,770 shares at prices ranging from \$590.00 to \$590.98 (a weighted-average price of \$590.30 per share). On November 18, 2025, Mr. Troendle sold 1,002 shares at prices ranging from \$591.00 to \$591.995 (a weighted-average price of \$591.63 per share). On November 18, 2025, Mr. Troendle sold 1,419 shares at prices ranging from \$592.00 to \$592.09 (a weighted-average price of \$592.09 per share). On November 19, 2025, Mr. Troendle sold 3,689 shares at prices ranging from \$590.00 to \$590.97 (a weighted-average price of \$590.61 per share). On November 19, 2025, Mr. Troendle sold 4,614 shares at prices ranging from \$591.02 to \$591.99 (a weighted-average price of \$591.63 per share). On November 19, 2025, Mr. Troendle sold 13,656 shares at prices ranging from \$592.00 to \$592.99 (a weighted-average price of \$592.40 per share). On November 19, 2025, Mr. Troendle sold 988 shares at prices ranging from \$593.04 to \$593.945 (a weighted-average price of \$593.28 per share). On November 19, 2025, Mr. Troendle sold 915 shares at prices ranging from \$594.00 to \$594.065 (a weighted-average price of \$594.02 per share). On November 20, 2025, Mr. Troendle sold 721 shares at prices ranging from \$590.00 to \$590.91 (a weighted-average price of \$590.19 per share). On November 20, 2025, Mr. Troendle sold 88 shares at prices ranging from \$591.15 to \$591.61 (a weighted-average price of \$591.31 per share). On November 20, 2025, Mr. Troendle sold 325 shares at prices ranging from \$592.32 to \$592.97 (a weighted-average price of \$592.64 per share). On November 20, 2025, Mr. Troendle sold 64 shares at prices ranging from \$594.75 to \$594.80 (a weighted-average price of \$594.77 per share). On November 20, 2025, Mr. Troendle sold 242 shares at prices ranging from \$595.135 to \$595.77 (a weighted-average price of \$595.47 per share). On November 20, 2025, Mr. Troendle sold 505 shares at prices ranging from \$596.11 to \$596.87 (a weighted-average price of \$596.32 per share). On November 20, 2025, Mr. Troendle sold 481 shares at prices ranging from \$597.11 to \$597.89 (a weighted-average price of \$597.34 per share). On November 20, 2025, Mr. Troendle sold 227 shares at prices ranging from \$598.045 to \$598.97 (a weighted-average price of \$598.62 per share). On November 20, 2025, Mr. Troendle sold 82 shares at prices ranging from \$599.135 to \$599.99 (a weighted-average price of \$599.62 per share). On November 20, 2025, Mr. Troendle sold 1,382 shares at prices ranging from \$600.00 to \$600.79 (a weighted-average price of \$600.41 per share). On November 20, 2025, Mr. Troendle sold 1,887 shares at prices ranging from \$601.00 to \$601.935 (a weighted-average price of \$601.17 per share). On November 20, 2025, Mr. Troendle sold 633 shares at prices ranging from \$602.07 to \$602.41 (a weighted-average price of \$602.10 per share). On November 20, 2025, Mr. Troendle sold 83 shares of common stock in an open market transaction at a price of \$603.34 per share. On November 20, 2025, Mr. Troendle sold 110 shares of common stock in an open market transaction at a price of \$604.23 per share. On November 21, 2025, Mr. Troendle sold 6,148 shares at prices ranging from \$590.00 to \$590.995 (a weighted-average price of \$590.26 per share). On November 21, 2025, Mr. Troendle sold 5,069 shares at prices ranging from \$591.07 to \$591.93 (a weighted-average price of \$591.53 per share). On November 21, 2025, Mr. Troendle sold 1,442 shares at prices ranging from \$592.06 to \$592.97 (a weighted-average price of \$592.40 per share). On November 21, 2025, Mr. Troendle sold 4,635 shares at prices ranging from \$593.00 to \$593.975 (a weighted-average price of \$593.23 per share). On November 21, 2025, Mr. Troendle sold 3,360 shares at prices ranging from \$594.00 to \$594.93 (a weighted-average price of \$594.08 per share). On November 21, 2025, Mr. Troendle sold 1,204 shares at prices ranging from \$595.00 to \$595.58 (a weighted-average price of \$595.21 per share). On November 24, 2025, Mr. Troendle sold 202 shares at prices ranging from \$593.46 to \$594.05 (a weighted-average price of \$593.62 per share). On November 24, 2025, Mr. Troendle sold 144 shares at prices ranging from \$594.53 to \$595.10 (a weighted-average price of \$594.93 per share). On November 24, 2025, Mr. Troendle sold 203 shares at prices ranging from \$595.54 to \$596.37 (a weighted-average price of \$595.93 per share). On November 24, 2025, Mr. Troendle sold 123 shares at prices ranging from \$596.515 to \$597.13 (a weighted-average price of \$596.93 per share). On November 24, 2025,

Mr. Troendle sold 2,509 shares at prices ranging from \$597.88 to \$598.43 (a weighted-average price of \$597.98 per share). On November 24, 2025, Mr. Troendle sold 384 shares at prices ranging from \$598.81 to \$599.335 (a weighted-average price of \$599.16 per share). On November 24, 2025, Mr. Troendle sold 2,599 shares at prices ranging from \$599.46 to \$600.448 (a weighted-average price of \$600.02 per share). On November 24, 2025, Mr. Troendle sold 3,196 shares at prices ranging from \$600.46 to \$601.43 (a weighted-average price of \$600.80 per share). On November 24, 2025, Mr. Troendle sold 857 shares at prices ranging from \$601.46 to \$602.42 (a weighted-average price of \$602.02 per share). On November 24, 2025, Mr. Troendle sold 513 shares at prices ranging from \$603.00 to \$604.225 (a weighted-average price of \$603.18 per share). On November 24, 2025, Mr. Troendle sold 920 shares at prices ranging from \$604.53 to \$605.40 (a weighted-average price of \$605.13 per share). On November 24, 2025, Mr. Troendle sold 631 shares at prices ranging from \$605.495 to \$606.06 (a weighted-average price of \$605.84 per share). On November 24, 2025, Mr. Troendle sold 3,185 shares at prices ranging from \$606.48 to \$607.36 (a weighted-average price of \$607.05 per share). On November 24, 2025, Mr. Troendle sold 4,673 shares at prices ranging from \$607.53 to \$608.45 (a weighted-average price of \$608.07 per share). On November 24, 2025, Mr. Troendle sold 15,702 shares at prices ranging from \$608.46 to \$609.45 (a weighted-average price of \$609.04 per share). On November 24, 2025, Mr. Troendle sold 15,773 shares at prices ranging from \$609.46 to \$610.45 (a weighted-average price of \$609.85 per share). On November 24, 2025, Mr. Troendle sold 2,655 shares at prices ranging from \$610.46 to \$611.29 (a weighted-average price of \$610.59 per share). On November 24, 2025, Mr. Troendle sold 169 shares at prices ranging from \$611.64 to \$611.95 (a weighted-average price of \$611.94 per share). On November 24, 2025, Mr. Troendle sold 251 shares at prices ranging from \$613.33 to \$613.34 (a weighted-average price of \$613.33 per share). On November 24, 2025, Mr. Troendle sold 2,640 shares at prices ranging from \$613.48 to \$614.44 (a weighted-average price of \$614.05 per share). On November 24, 2025, Mr. Troendle sold 1,462 shares at prices ranging from \$614.47 to \$615.445 (a weighted-average price of \$614.94 per share). On November 24, 2025, Mr. Troendle sold 193 shares at prices ranging from \$615.49 to \$616.35 (a weighted-average price of \$616.15 per share). On November 24, 2025, Mr. Troendle sold 41 shares at prices ranging from \$616.50 to \$617.165 (a weighted-average price of \$616.52 per share). On November 25, 2025, Mr. Troendle sold 6,188 shares at prices ranging from \$610.50 to \$611.4915 (a weighted-average price of \$611.17 per share). On November 25, 2025, Mr. Troendle sold 6,848 shares at prices ranging from \$611.50 to \$612.475 (a weighted-average price of \$611.94 per share). On November 25, 2025, Mr. Troendle sold 9,946 shares at prices ranging from \$612.50 to \$613.495 (a weighted-average price of \$612.97 per share). On November 25, 2025, Mr. Troendle sold 2,953 shares at prices ranging from \$613.50 to \$614.42 (a weighted-average price of \$613.94 per share). On November 25, 2025, Mr. Troendle sold 537 shares at prices ranging from \$614.74 to \$615.39 (a weighted-average price of \$614.96 per share). On November 25, 2025, Mr. Troendle sold 931 shares at prices ranging from \$615.50 to \$616.45 (a weighted-average price of \$616.00 per share). On November 25, 2025, Mr. Troendle sold 1,690 shares at prices ranging from \$616.50 to \$617.46 (a weighted-average price of \$617.02 per share). On November 25, 2025, Mr. Troendle sold 891 shares at prices ranging from \$617.525 to \$618.49 (a weighted-average price of \$618.19 per share). On November 25, 2025, Mr. Troendle sold 2,304 shares at prices ranging from \$618.50 to \$619.495 (a weighted-average price of \$619.08 per share). On November 25, 2025, Mr. Troendle sold 1,139 shares at prices ranging from \$619.50 to \$620.465 (a weighted-average price of \$619.99 per share). On November 25, 2025, Mr. Troendle sold 1,810 shares at prices ranging from \$620.725 to \$621.49 (a weighted-average price of \$621.13 per share). On November 25, 2025, Mr. Troendle sold 2,466 at prices ranging from \$621.50 to \$622.44 (a weighted-average price of \$621.90 per share). On November 25, 2025, Mr. Troendle sold 3,884 shares at prices ranging from \$622.63 to \$623.48 (a weighted-average price of \$623.12 per share). On November 25, 2025, Mr. Troendle sold 413 shares at prices ranging from \$623.59 to \$624.40 (a weighted-average price of \$624.12 per share). On November 25, 2025, Mr. Troendle sold 319 shares at prices ranging from \$624.73 to \$625.35 (a weighted-average price of \$625.16 per share). On November 25, 2025, Mr. Troendle sold 48 shares at prices ranging from \$625.965 to \$626.025 (a weighted-average price of \$626.01 per share). On November 25, 2025, Mr. Troendle sold 25 shares at a price of \$626.545 per share. On November 26, 2025, Mr. Troendle sold 942 shares at prices ranging from \$602.13 to \$603.09 (a weighted-average price of \$602.57 per share). On November 26, 2025, Mr. Troendle sold 2,123 at prices ranging from \$603.145 to \$604.125 (a weighted-average price of \$603.69 per share). On November 26, 2025, Mr. Troendle sold 4,567 shares at prices ranging from \$604.13 to \$605.12 (a weighted-average price of \$604.74 per share). On November 26, 2025, Mr. Troendle sold 7,361 shares at prices ranging from \$605.13 to \$606.11 (a weighted-average price of \$605.70 per share). On November 26, 2025, Mr. Troendle sold 8,826 shares at prices ranging from \$606.13 to \$607.12 (a weighted-average price of \$606.62 per share). On November 26, 2025, Mr. Troendle sold 3,973 shares at prices ranging from \$607.13 to \$608.1025 (a weighted-average price of \$607.63 per share). On November 26, 2025, Mr. Troendle sold 9,543 shares at prices ranging from \$608.13 to \$609.10 (a weighted-average price of \$608.58 per share). On November 26, 2025, Mr. Troendle sold 2,599 shares at prices ranging from \$609.13 to \$610.095 (a weighted-average price of \$609.54 per share). On November 26, 2025, Mr. Troendle sold 1,248 shares at prices ranging from \$610.15 to \$611.12 (a weighted-average price of \$610.74 per share). On November 26, 2025, Mr. Troendle sold 149 shares at prices ranging from \$611.18 to \$612.525 (a weighted-average price of \$611.73 per share). On November 28, 2025, Mr. Troendle sold 4,851 shares at prices ranging from \$590.00 to \$590.995 (a weighted-average price of \$590.33 per share). On November 28, 2025, Mr. Troendle sold 2,246 at prices ranging from \$591.015 to \$591.97 (a weighted-average price of \$591.46 per share). On November 28, 2025, Mr. Troendle sold 1,520 shares at prices ranging from \$592.01 to \$592.96 (a weighted-average price of \$592.37 per share). On November 28, 2025, Mr. Troendle sold 1,472 shares at prices ranging from \$593.00 to \$593.98 (a weighted-average price of \$593.49 per share). On November 28, 2025, Mr. Troendle sold 1,776 shares at prices ranging from \$594.025 to \$594.675 (a weighted-average price of \$594.22 per share). On November 28, 2025, Mr. Troendle sold 370 shares at prices ranging from \$595.53 to \$595.655 (a weighted-average price of \$595.53 per share). On November 28, 2025, Mr. Troendle sold 87 shares at prices ranging from \$596.10 to \$596.58 (a weighted-average price of \$596.34 per share). On November 28, 2025, Mr. Troendle sold

62 shares at prices ranging from \$597.25 to \$597.325 (a weighted-average price of \$597.27 per share). On November 28, 2025, Mr. Troendle sold 585 shares at prices ranging from \$598.25 to \$598.97 (a weighted-average price of \$598.47 per share). On November 28, 2025, Mr. Troendle sold 550 shares at prices ranging from \$599.0275 to \$599.89 (a weighted-average price of \$599.55 per share). On November 28, 2025, Mr. Troendle sold 751 shares at prices ranging from \$600.005 to \$600.91 (a weighted-average price of \$600.47 per share). On November 28, 2025, Mr. Troendle sold 764 shares at prices ranging from \$601.035 to \$601.95 (a weighted-average price of \$601.375 per share). On November 28, 2025, Mr. Troendle sold 117 shares at a price of \$602.78 per share.

Item 7. Material to be Filed as Exhibits.

Exhibit Description Number 1. Joint Filing Agreement* 2. Registration Rights Agreement* * Filed in the Statement

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

August J. Troendle

Signature: /s/ August J. Troendle

Name/Title: August J. Troendle

Date: 12/01/2025

Medpace Investors, LLC

Signature: /s/ August J. Troendle

Name/Title: August J. Troendle/Sole Manager

Date: 12/01/2025