

---

---

**United States**  
**Securities and Exchange Commission**  
Washington, D.C. 20549

---

**SCHEDULE 13D**  
(Rule 13d-101)

**Information to be Included in Statements Filed Pursuant to § 240.13d-1(a) and Amendments Thereto Filed Pursuant to § 240.13d-2(a)**

**Under the Securities Exchange Act of 1934**  
(Amendment No. 13)\*

---

**Medpace Holdings, Inc.**  
(Name of Issuer)

**Common Stock**  
(Title of Class of Securities)

**58506Q109**  
(CUSIP Number)

**August J. Troendle**  
**c/o Medpace Holdings, Inc.**  
**5375 Medpace Way**  
**Cincinnati, OH 45227**  
**Tel: (513) 579-9911**

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

**August 30, 2021**  
(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.

---

*Note:* Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See § 240.13d-7 for other parties to whom copies are to be sent.

---

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

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).

---

---

|  |  |                                       |
|--|--|---------------------------------------|
| 1  | NAMES OF REPORTING PERSONS<br>August J. Troendle   |                                       |
| 2  | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP<br>(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> |                                       |
| 3  | SEC USE ONLY   |                                       |
| 4  | SOURCE OF FUNDS<br>PF  |                                       |
| 5  | Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)<br><input type="checkbox"/>          |                                       |
| 6  | CITIZENSHIP OR PLACE OF ORGANIZATION<br>United States  |                                       |
| NUMBER OF<br>SHARES<br>BENEFICIALLY<br>OWNED BY<br>EACH<br>REPORTING<br>PERSON<br>WITH | 7  | SOLE VOTING POWER<br>706,643          |
|  | 8  | SHARED VOTING POWER<br>6,015,019      |
|  | 9  | SOLE DISPOSITIVE POWER<br>706,643     |
|  | 10   | SHARED DISPOSITIVE POWER<br>6,015,019 |
| 11   | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON<br>7,178,108  |                                       |
| 12   | CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES<br><input type="checkbox"/>                            |                                       |
| 13   | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)<br>19.79%   |                                       |
| 14   | TYPE OF REPORTING PERSON<br>IN   |                                       |

|  |  |                                       |
|--|--|---------------------------------------|
| 1  | NAMES OF REPORTING PERSONS<br>Medpace Investors, LLC   |                                       |
| 2  | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP<br>(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> |                                       |
| 3  | SEC USE ONLY   |                                       |
| 4  | SOURCE OF FUNDS<br>OO  |                                       |
| 5  | Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)<br><input type="checkbox"/>          |                                       |
| 6  | CITIZENSHIP OR PLACE OF ORGANIZATION<br>Delaware   |                                       |
| NUMBER OF<br>SHARES<br>BENEFICIALLY<br>OWNED BY<br>EACH<br>REPORTING<br>PERSON<br>WITH | 7  | SOLE VOTING POWER<br>0                |
|  | 8  | SHARED VOTING POWER<br>6,015,019      |
|  | 9  | SOLE DISPOSITIVE POWER<br>0           |
|  | 10   | SHARED DISPOSITIVE POWER<br>6,015,019 |
| 11   | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON<br>6,015,019  |                                       |
| 12   | CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES<br><input type="checkbox"/>                            |                                       |
| 13   | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)<br>16.58%   |                                       |
| 14   | TYPE OF REPORTING PERSON<br>OO (Limited liability company)   |                                       |

This Amendment No. 13 to the Schedule 13D (this “Amendment No. 13”) amends and supplements the Statement on 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 and Amendment No. 12 filed on April 21, 2021 (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 4. Purpose of Transaction

Item 4 of the Statement is amended and supplemented by inserting the following information:

The responses to Item 5 and 6 of this Schedule 13D are incorporated herein by reference.

#### Item 5. Interest in Securities of the Issuer

Items 5(a) - (b) of the Statement are amended and restated in their entirety as follows:

(a) - (b): See Items 7 – 13 of the cover pages above.

Item 5(c) of the Statement is amended and supplemented by inserting the following information:

(c): As previously reported, on March 12, 2021, Medpace Investors, LLC (“MPI”) entered into a written stock selling plan in accordance with Rule 10b5-1 (the “March 2021 MPI Plan”). MPI sold 214,354 shares in open market transactions between July 1, 2021 and August 30, 2021 under the March 2021 MPI Plan, as follows:

| <u>Trade Date</u> | <u>Shares Sold</u> | <u>Price Per Share</u> |
|-------------------|--------------------|------------------------|
| 07/01/2021        | 238                | \$ 180.03(1)           |
| 07/02/2021        | 3,556              | \$ 180.16(2)           |
| 07/06/2021        | 4,729              | \$ 180.58(3)           |
| 07/07/2021        | 4,574              | \$ 180.33(4)           |
| 07/08/2021        | 3,951              | \$ 180.18(5)           |
| 07/09/2021        | 465                | \$ 180.70(6)           |
| 07/09/2021        | 1,250              | \$ 181.49(7)           |
| 07/09/2021        | 1,254              | \$ 182.78(8)           |
| 07/09/2021        | 7,010              | \$ 183.48(9)           |
| 07/09/2021        | 2,618              | \$ 184.56(10)          |
| 07/12/2021        | 255                | \$ 180.78(11)          |
| 07/12/2021        | 1,019              | \$ 181.40(12)          |
| 07/12/2021        | 3,261              | \$ 182.41(13)          |
| 07/12/2021        | 1,891              | \$ 183.47(14)          |
| 07/12/2021        | 4,114              | \$ 184.36(15)          |
| 07/13/2021        | 1,872              | \$ 181.64(16)          |
| 07/13/2021        | 4,125              | \$ 182.65(17)          |
| 07/13/2021        | 7,053              | \$ 183.50(18)          |
| 07/14/2021        | 9,643              | \$ 182.54(19)          |
| 07/14/2021        | 1,383              | \$ 183.25(20)          |
| 07/15/2021        | 3,049              | \$ 180.73(21)          |
| 07/15/2021        | 4,007              | \$ 181.49(22)          |
| 07/15/2021        | 5,631              | \$ 182.55(23)          |
| 07/15/2021        | 1,010              | \$ 183.09(24)          |
| 07/16/2021        | 1,084              | \$ 180.89(25)          |
| 07/16/2021        | 1,977              | \$ 181.39(26)          |
| 07/16/2021        | 2,800              | \$ 182.59(27)          |
| 07/16/2021        | 4,929              | \$ 183.54(28)          |
| 07/16/2021        | 1,664              | \$ 184.11(29)          |
| 07/19/2021        | 531                | \$ 180.45(30)          |
| 07/19/2021        | 777                | \$ 181.39(31)          |
| 07/19/2021        | 134                | \$ 182.09(32)          |
| 07/20/2021        | 773                | \$ 180.54(33)          |
| 07/20/2021        | 1,101              | \$ 181.47(34)          |
| 07/20/2021        | 1,005              | \$ 182.77(35)          |
| 07/20/2021        | 6,690              | \$ 183.56(36)          |
| 07/20/2021        | 607                | \$ 184.16(37)          |

|            |        |               |
|------------|--------|---------------|
| 07/21/2021 | 1,585  | \$ 181.62(38) |
| 07/21/2021 | 6,636  | \$ 182.49(39) |
| 07/21/2021 | 985    | \$ 183.23(40) |
| 07/22/2021 | 6,278  | \$ 180.29(41) |
| 07/22/2021 | 1,905  | \$ 181.34(42) |
| 07/22/2021 | 243    | \$ 182.75(43) |
| 07/22/2021 | 90     | \$ 183.89     |
| 07/23/2021 | 6,539  | \$ 180.62(44) |
| 07/23/2021 | 10,697 | \$ 181.43(45) |
| 07/23/2021 | 1,646  | \$ 182.12(46) |
| 07/26/2021 | 2,999  | \$ 180.45(47) |
| 07/26/2021 | 8,993  | \$ 181.51(48) |
| 07/26/2021 | 3,217  | \$ 182.33(49) |
| 07/27/2021 | 131    | \$ 180.93     |
| 08/05/2021 | 556    | \$ 180.04(50) |
| 08/16/2021 | 2,349  | \$ 180.37(51) |
| 08/16/2021 | 1,802  | \$ 181.48(52) |
| 08/16/2021 | 3,300  | \$ 182.50(53) |
| 08/16/2021 | 6,523  | \$ 183.52(54) |
| 08/16/2021 | 2,843  | \$ 184.51(55) |
| 08/17/2021 | 1,076  | \$ 180.20(56) |
| 08/17/2021 | 887    | \$ 181.67(57) |
| 08/17/2021 | 2,119  | \$ 182.46(58) |
| 08/17/2021 | 1,076  | \$ 183.45(59) |
| 08/17/2021 | 88     | \$ 184.23(60) |
| 08/18/2021 | 2,301  | \$ 180.49(61) |
| 08/23/2021 | 1,482  | \$ 180.22(62) |
| 08/24/2021 | 1,814  | \$ 180.06(63) |
| 08/25/2021 | 7,622  | \$ 180.54(64) |
| 08/26/2021 | 466    | \$ 180.17(65) |
| 08/27/2021 | 2,252  | \$ 180.76(66) |
| 08/27/2021 | 5,396  | \$ 181.54(67) |
| 08/27/2021 | 3,080  | \$ 182.58(68) |
| 08/27/2021 | 1,112  | \$ 183.29(69) |
| 08/30/2021 | 449    | \$ 180.78(70) |
| 08/30/2021 | 934    | \$ 181.70(71) |
| 08/30/2021 | 3,806  | \$ 182.24(72) |
| 08/30/2021 | 3,357  | \$ 183.58(73) |
| 08/30/2021 | 3,690  | \$ 184.31(74) |

- (1) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.00 to \$180.20. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (2) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.00 to \$180.50. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (3) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.00 to \$181.28. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (4) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.00 to \$180.905. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (5) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.00 to \$180.72. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (6) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.595 to \$180.84. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (7) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$181.00 to \$181.90. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.







- (64) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.00 to \$181.26. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (65) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.00 to \$180.59. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (66) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.4175 to \$180.975. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (67) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$181.02 to \$181.99. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (68) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$182.02 to \$182.9975. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (69) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$183.00 to \$183.86. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (70) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$180.57 to \$180.87. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (71) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$181.00 to \$181.98. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (72) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$182.00 to \$182.97. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (73) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$183.01 to \$183.99. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.
- (74) The reported price is a weighted average price. These shares were sold in multiple transactions ranging from \$184.00 to \$184.80. The Reporting Person undertakes to provide full pricing information to the Issuer, any security holder of the Issuer or the staff of the Securities and Exchange Commission upon request.

#### **Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer**

Item 6 of the Statement is amended and supplemented as follows:

Item 5 above summarizes certain provisions of the March 2021 MPI Plan and is incorporated herein by reference. A copy of the March 2021 MPI Plan is incorporated by reference as Exhibit 3.

Except as set forth herein and in the Statement, none of the Reporting Persons has any contracts, arrangements, understandings or relationships (legal or otherwise) with any person with respect to any securities of the Issuer, including, but not limited to, any contracts, arrangements, understandings or relationships concerning the transfer or voting of such securities, finder's fees, joint ventures, loan or option arrangements, puts or calls, guarantees of profits, division of profits or losses, or the giving or withholding of proxies.

#### **Item 7. Materials to be Filed as Exhibits**

| <u>Exhibit Number</u> | <u>Description</u>   |
|-----------------------|--|
| 1                     | Joint Filing Agreement*  |
| 2                     | Registration Rights Agreement*   |
| 3                     | Rule 10b5-1 Stock Trading Plan of Medpace Investors, LLC dated March 12, 2021* |

\* Filed in the Statement.

**SIGNATURES**

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.

Date: September 1, 2021

/s/ August J. Troendle

August J. Troendle

**Medpace Investors, LLC**

/s/ August J. Troendle

Name: August J. Troendle

Title: Sole Manager