FORM 4

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## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| STATEMENT    | OF  | CHANGES | IN  | BENEFICIAL | OWNERSHIP |
|--------------|-----|---------|-----|------------|-----------|
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| OMB APPROVAL             |     |  |  |  |  |  |  |  |  |
|--------------------------|-----|--|--|--|--|--|--|--|--|
| OMB Number: 3235-0287    |     |  |  |  |  |  |  |  |  |
| Estimated average burden |     |  |  |  |  |  |  |  |  |
| hours per response:      | 0.5 |  |  |  |  |  |  |  |  |

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* <u>Troendle August J.</u>  |  |             |                                  |                     | 2. Issuer Name and Ticker or Trading Symbol  Medpace Holdings, Inc. [ MEDP ] |   |   |   |   |                 |  |                    | (Ch             | eck a<br><mark>X</mark>                                 | II applica<br>Director   | ble)   | g Perso   |  | wner  |   |             |
|---|--|-------------|----------------------------------|---------------------|--|---|---|---|---|-----------------|--|--------------------|-----------------|---|--|--|---|--|---|---|-------------|
| (Last) (First) (Middle) C/O MEDPACE HOLDINGS, INC. 5375 MEDPACE WAY |  |             |                                  |                     | 3. Date of Earliest Transaction (Month/Day/Year) 03/01/2022                  |   |   |   |   |                 |  |                    | ]               | X Officer (give title below) Other (specify below)  CEO |  |  |   |  | specify   |   |             |
| (Street) CINCIN   |  | H<br>State) | 45227<br>(Zip)                   |                     | _ 4.   |   |   |   |   |                 |  |                    |                 | Line  | ndividual or Joint/Group Filing (Check Applicable  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   |             |                                  |                     |  |   |   |   |   |                 |  |                    |                 |   |  |  |   |  |   |   |             |
| Date  |  |             | Date                             | nsactioi<br>h/Day/Y | action<br>Day/Year)  |   | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) |   | 3.<br>Transaction<br>Code (Instr.<br>8) |                 | 4. Securities Acquired (A)<br>Disposed Of (D) (Instr. 3, 4 |                    |                 |   |  | ly   | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) |  | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |   |             |
|   |  |             |                                  |                     |  |   |   |   |   | Code            | v  | Amount             | t (A) or (D) Pr |   | Price  | T  |   |  | Transaction(s)<br>(Instr. 3 and 4)                                |   | (iiisti. 4) |
| Common Stock  |  |             |                                  |                     |  |   |   |   |   |                 |  |                    |                 |   |  | 5,483,019  |   | I  |   | By<br>Medpace<br>Investors,<br>LLC <sup>(1)</sup> |             |
| Common Stock 03/01  |  |             |                                  | 01/202              | /2022  |   |   |   | М                                       |                 | 100,000 A \$   |                    | \$90.6          | 806,643   |  | 643  | D   |  |   |   |             |
|   | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |             |                                  |                     |  |   |   |   |   |                 |  |                    |                 |   |  |  |   |  |   |   |             |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)                 | Derivative Conversion Date Execution Descurity or Exercise (Month/Day/Year) if any   |             | Date, Transaction<br>Code (Instr |                     |  |   |   | 6. Date Exercise<br>Expiration Date<br>(Month/Day/Yea |   |                 | of Securities  |                    | es<br>Security  | Derivative<br>Security                                  |  | 9. Number derivative Securities Beneficia Owned Following Reported | e<br>s<br>Illy  | Ownersh<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. | Beneficial<br>Ownership<br>(Instr. 4)                             |   |             |
|   |  |             |                                  |                     | Code   | v | (A) (D)   |   |   | ate<br>xercisab |  | Expiration<br>Date | Title           |   | Amount<br>or<br>Number<br>of Shares  |  |   | Transacti<br>(Instr. 4)                                      | on(s)   |   |             |
| Employee<br>Stock<br>Option<br>(Right to<br>Buy)                    | \$90.65  | 03/01/2022  |                                  |                     | M  | М |   | 100,000   |   | (2)             |  | 08/05/2024         |                 | nmon<br>ock   | 100,000  | 000 \$0  |   | 0  |   | D   |             |

## **Explanation of Responses:**

- 1. The Reporting Person is the sole manager and controlling unit holder of Medpace Investors, LLC ("MPI") and has sole voting and investment control with respect to the securities held by MPI. The Reporting Person may be deemed to indirectly beneficially own the securities of the Issuer held by MPI but disclaims beneficial ownership of such securities except to the extent of his pecuniary interest therein.
- 2. The option vested on August 5, 2019.

/s/ Stephen P. Ewald, Attorneyin-Fact for August J. Troendle

03/03/2022

\*\* 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.