
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. 4)***

Medpace Holdings, Inc.
(Name of Issuer)

Common Stock
(Title of Class of Securities)

58506Q109
(CUSIP Number)

Hayley Tanguy
Cinven Capital Management (V) General Partner Limited
Level 4, Mill Court
La Charroterie
St Peter Port, Guernsey GY1 1EJ
Tel: +44 1481 743650

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

May 2, 2018
(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 Cinven Capital Management (V) General Partner Limited	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS OO	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Guernsey	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 0
	8	SHARED VOTING POWER 13,399,997
	9	SOLE DISPOSITIVE POWER 0
	10	SHARED DISPOSITIVE POWER 13,399,997
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 13,399,997	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 37.7%	
14	TYPE OF REPORTING PERSON CO	

1	NAMES OF REPORTING PERSONS	
	Cinven Capital Management (V) Limited Partnership Incorporated	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS OO	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Guernsey	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 0
	8	SHARED VOTING POWER 13,399,997
	9	SOLE DISPOSITIVE POWER 0
	10	SHARED DISPOSITIVE POWER 13,399,997
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 13,399,997	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 37.7%	
14	TYPE OF REPORTING PERSON PN	

1	NAMES OF REPORTING PERSONS Medpace GP Limited	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS OO	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Guernsey	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 0
	8	SHARED VOTING POWER 13,399,997
	9	SOLE DISPOSITIVE POWER 0
	10	SHARED DISPOSITIVE POWER 13,399,997
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 13,399,997	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 37.7%	
14	TYPE OF REPORTING PERSON CO	

1	NAMES OF REPORTING PERSONS Medpace Limited Partnership	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS OO	
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Guernsey	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 0
	8	SHARED VOTING POWER 13,399,997
	9	SOLE DISPOSITIVE POWER 0
	10	SHARED DISPOSITIVE POWER 13,399,997
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 13,399,997	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 37.7%	
14	TYPE OF REPORTING PERSON PN	

Explanatory Note

This Amendment No. 4 to Schedule 13D (“Amendment No. 4”) amends and supplements the Statement on Schedule 13D filed with the United States Securities and Exchange Commission August 26, 2016, (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:

On May 2, 2018, Medpace Limited Partnership (“Medpace Limited”) agreed to sell 3,000,000 shares of Common Stock at a price of \$35.49 per share (the “Offering”) to Jefferies LLC (the “Underwriter”) pursuant to the terms and conditions of the underwriting agreement (the “Underwriting Agreement”) entered into between the Issuer, Medpace Limited and the Underwriter. The sale was consummated on May 7, 2018.

Pursuant to the Underwriting Agreement, Medpace Limited has agreed that, subject to specified exceptions, without the prior written consent of the Underwriter, it will not, during the period ending 45 days after the date of the final prospectus supplement with respect to the Offering: (i) sell, offer, contract or grant any option to sell (including any short sale), pledge, transfer, or enter into any similar transactions with respect to the Common Stock; (ii) otherwise dispose of any shares of Common Stock, options or warrants to acquire shares of Common Stock, or securities exchangeable or exercisable for or convertible into shares of Common Stock currently or hereafter owned either of record or beneficially; or (iii) publicly announce an intention to do any of the foregoing.

The foregoing description of the Underwriting Agreement does not purport to be complete and is qualified in its entirety by reference to the Underwriting Agreement, which is filed as Exhibit 7 hereto and is incorporated herein by reference.

Item 5. Interest in Securities of the Issuer

Item 5 of the Statement is hereby is amended and restated in its entirety as follows:

(a) – (b)

The following sets forth the aggregate number and percentage of shares of Common Stock beneficially owned by each of the Reporting Persons, as well as the number of shares of Common Stock as to which each Reporting Person has the sole power to vote or to direct the vote, shared power to vote or to direct the vote, sole power to dispose or to direct the disposition, or shared power to dispose or to direct the disposition of as of the date of this filing, based on 35,507,414 shares of Common Stock outstanding as of April 27, 2018.

Reporting Person⁽¹⁾	Amount beneficially owned	Percent of class	Sole power to vote or to direct the vote	Shared power to vote or to direct the vote	Sole power to dispose or to direct the disposition of	Shared power to dispose or to direct the disposition of
Cinven Capital Management (V) General Partner Limited	13,399,997	37.7%	0	13,399,997	0	13,399,997
Cinven Capital Management (V) Limited Partnership Incorporated	13,399,997	37.7%	0	13,399,997	0	13,399,997
Medpace GP Limited	13,399,997	37.7%	0	13,399,997	0	13,399,997
Medpace Limited Partnership	13,399,997	37.7%	0	13,399,997	0	13,399,997

(1) Shares beneficially owned by Dr. August J. Troendle are not the subject of this Schedule 13D, and the Reporting Persons expressly disclaim beneficial ownership of the shares of Common Stock held by Dr. Troendle.

Medpace Limited is the record holder of 13,399,997 shares of Common Stock. Cinven MGP is the Managing General Partner of GPLP, which is the Managing General Partner of a majority of the stockholders of Medpace GP, which is the general partner of Medpace Limited. The board of directors of Medpace GP has voting and investment discretion with respect to the shares held of record by Medpace Limited. Cinven MGP, as Managing General Partner of the Managing General Partner of a majority of the stockholders of Medpace GP, indirectly controls Medpace GP. Decisions of Cinven MGP are taken by its board of directors, which is comprised of Robin Hall, Brian Linden, Hayley Tanguy, John Boothman, Rupert Dorey and William Scott. Each such director disclaims beneficial ownership of the shares reported herein.

Except as set forth in this Item 5(a)-(b), each of the persons named in this Item 5(a)-(b) disclaims beneficial ownership of any shares of Common Stock owned beneficially or of record by any other person named in this Item 5(a)-(b).

(c) Except as reported in Item 4, during the past 60 days none of the Reporting Persons or Related Persons has effected any transactions in the Common Stock.

(d) None.

(e) Not applicable.

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 4 above summarizes certain provisions of the Underwriting Agreement and is incorporated herein by reference. A copy of the Underwriting Agreement is attached as Exhibit 7 hereto, and is incorporated herein by reference.

Except as set forth herein, none of the Reporting Persons or Related 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>
7	Underwriting Agreement, dated as of May 2, 2018, by and among Medpace Holdings, Inc., Medpace Limited Partnership, and Jefferies LLC (incorporated by reference to Exhibit 1.1 to the Issuer's Current Report on Form 8-K filed on May 4, 2018).

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: May 8, 2018

Cinven Capital Management (V) General Partner Limited

By: /s/ Hayley Tanguy

Name: Hayley Tanguy

Title: Director

Cinven Capital Management (V) Limited Partnership Incorporated

By: Cinven Capital Management (V) General Partner Limited, its general partner

By: /s/ Hayley Tanguy

Name: Hayley Tanguy

Title: Director

Medpace GP Limited

By: /s/ Matthew Chick

Name: Matthew Chick

Title: Director

Medpace Limited Partnership

acting through its general partner

Medpace GP Limited

By: /s/ Matthew Chick

Name: Matthew Chick

Title: Director