DEXCOM INC Form SC 13G/A February 07, 2018

SCHEDULE 13G

(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

DexCom, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

252131107

(CUSIP Number)

12/31/2017

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

(Date of Event Which Requires Filing of this Statement)

[X] Rule 13d-1(b)

[_] Rule 13d-1(c)

[_] Rule 13d-1(d)

* 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 the disclosures provided in a prior cover page.

The information required in 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).

CUSIP No. 252131107 13G

¹ NAME OF REPORTING PERSON Artisan Partners Limited Partnership

2	CHECK THE A	PPROPRIATE BOX IF A MEMBER OF A GROUP		[_]
	Not Applic		(d)	[_]
3	SEC USE ONL	Y		
4	CITIZENSHIP Delaware	OR PLACE OF ORGANIZATION		
NUMBER OF SHARES		5 SOLE VOTING POWER None		
0	EFICIALLY WNED BY EACH	6 SHARED VOTING POWER 1,684,950		
	PORTING PERSON WITH	7 SOLE DISPOSITIVE POWER None		
		8 SHARED DISPOSITIVE POWER 1,976,398		
9	AGGREGATE A 1,976,398	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	CHECK BOX I (see Instru Not Applic			[_]
11	PERCENT OF 2.3%	CLASS REPRESENTED BY AMOUNT IN ROW (9)		
12	TYPE OF REP (see Instru IA	ORTING PERSON ctions)		
CUS	IP No. 2521	31107 13G		
1		ORTING PERSON vestments GP LLC		
2	CHECK THE A	PPROPRIATE BOX IF A MEMBER OF A GROUP ctions)	(a)	
	Not Applic	able	(d)	[_]
3	SEC USE ONL	Y		
4	CITIZENSHIP Delaware	OR PLACE OF ORGANIZATION		
	MBER OF SHARES EFICIALLY	5 SOLE VOTING POWER None		

OWNED BY EACH REPORTING PERSON WITH		6	SHARED VOTING POWER 1,684,950						
		7	SOLE DISPOSITIVE POWER None						
		8	SHARED DISPOSITIVE POWER 1,976,398						
9	AGGREGATE A 1,976,398	.MOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see Instructions) Not Applicable								
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 2.3%								
12	TYPE OF REP (see Instru HC								
CUS	IP No. 2521	311	07 13G						
1	NAME OF REP Artisan Pa		ING PERSON ers Holdings LP						
2	CHECK THE A		OPRIATE BOX IF A MEMBER OF A GROUP	(a)					
	Not Applic	able	e	(b)	L <u>_</u> _J				
3	SEC USE ONL	Υ							
4	CITIZENSHIP Delaware	OR	PLACE OF ORGANIZATION						
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		5	SOLE VOTING POWER None						
		6	SHARED VOTING POWER 1,684,950						
			SOLE DISPOSITIVE POWER None						
			SHARED DISPOSITIVE POWER 1,976,398						
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,976,398								
10	CHECK BOX I (see Instru Not Applic	cti			[_]				

11	PERCENT OF 2.3%	CLA	SS REPRESENTED BY AMOUNT IN ROW (9)				
12	TYPE OF REP (see Instru HC						
CUS	IP No. 2521	311	07 13G				
1	NAME OF REP Artisan Pa		ING PERSON ers Asset Management Inc.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see Instructions)						
	Not Applicable						
3	SEC USE ONL	Y					
4	CITIZENSHIP Delaware	OR	PLACE OF ORGANIZATION				
	NUMBER OF SHARES		SOLE VOTING POWER None				
BENEFICIALLY OWNED BY EACH		6	SHARED VOTING POWER 1,684,950				
PER	PERSON WITH	7	SOLE DISPOSITIVE POWER None				
		8	SHARED DISPOSITIVE POWER 1,976,398				
9	AGGREGATE A 1,976,398	MOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see Instructions) Not Applicable						
	2.3%		SS REPRESENTED BY AMOUNT IN ROW (9)				
	TYPE OF REP (see Instru HC	ORT	ING PERSON				
Ite	m 1(a) Nam	e o	f Issuer:				
	D	exC	om, Inc.				
Ite	m 1(b) Add	res	s of Issuer's Principal Executive Offices:				

6340 Sequence Drive, San Diego, California 92121

Item 2(a) Name of Person Filing:

Artisan Partners Limited Partnership ("APLP")
Artisan Investments GP LLC ("Artisan Investments")
Artisan Partners Holdings LP ("Artisan Holdings")
Artisan Partners Asset Management Inc. ("APAM")

Item 2(b) Address of Principal Business Office:

APLP, Artisan Investments, Artisan Holdings, and APAM are all located at:

875 East Wisconsin Avenue, Suite 800 Milwaukee, WI 53202

Item 2(c) Citizenship:

APLP is a Delaware limited partnership Artisan Investments is a Delaware limited liability company Artisan Holdings is a Delaware limited partnership APAM is a Delaware corporation

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

252131107

- (e) APLP is an investment adviser registered under section 203 of the Investment Advisers Act of 1940.
- (g) Artisan Holdings is the sole limited partner of APLP and the sole member of Artisan Investments; Artisan Investments is the general partner of APLP; APAM is the general partner of Artisan Holdings.
- Item 4 Ownership(at 12/31/2017):
 - (a) Amount owned "beneficially" within the meaning of rule 13d-3:

1,976,398

(b) Percent of class:

2.3% (based on 86,903,145 shares outstanding as of 10/27/2017)

- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote:

None

(ii) shared power to vote or to direct the vote:

1,684,950

(iii) sole power to dispose or to direct the disposition
 of:

None

(iv) shared power to dispose or to direct the disposition of $\dot{\boldsymbol{\cdot}}$

1,976,398

Item 5 Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [X].

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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.

Date: 2/7/2018

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of

ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez *

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez *

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez
Senior Vice President of
Artisan Partners Asset
Management Inc.
Vice President of Artisan
Investments GP LLC

Exhibit Index

Exhibit 1 Joint Filing Agreement dated 2/7/2018 by and among Artisan Partners Limited Partnership, Artisan Investments GP LLC, Artisan Partners Holdings LP, and Artisan Partners Asset Management Inc.

EXHIBIT 1

JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule 13G to which this Agreement is attached.

Dated: 2/7/2018

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez *

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez *

*By: /s/ Gregory K. Ramirez
Gregory K. Ramirez
Senior Vice President of

Artisan Partners Asset Management Inc. Vice President of Artisan Investments GP LLC