

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * MUCCI MARTIN			2. Issuer Name and Ticker or Trading Symbol PAYCHEX INC [PAYX]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) CEO & President		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 12/28/2016					
911 PANORAMA TRAIL S.								
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		
ROCHESTER, NY 14625								
(City)			(State)			(Zip)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	12/28/2016		G	V	2,940 (1)	D	\$ 61.65	254,618	D	
Common Stock	07/06/2017		S		1,772 (2)	D	\$ 56.97	252,846	D	
Common Stock	07/09/2017		S		31,522 (2)	D	\$ 57.42	221,324	D	
Common Stock								4,159 (3)	I	401(k)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Stock Option	\$ 43.91							07/17/2008	07/17/2017	Common Stock	30,000	30,000	D	
Stock Option	\$ 26.02							07/07/2011	07/06/2020	Common Stock	29,786	29,786	D	
Stock Option	\$ 31.34							07/06/2012	07/05/2021	Common Stock	206,422	206,422	D	
Stock Option	\$ 31.63							07/07/2014	07/06/2021	Common Stock	315,000	315,000	D	
Stock Option	\$ 31.65							07/11/2013	07/10/2022	Common Stock	274,869	274,869	D	
Stock Option	\$ 38.48							07/10/2014	07/09/2023	Common Stock	237,844	237,844	D	
Stock Option	\$ 41.7							07/09/2015	07/08/2024	Common Stock	195,313	195,313	D	
Stock Option	\$ 47.32							07/08/2016	07/07/2025	Common Stock	206,801	206,801	D	

Stock Option	\$ 60.84						07/06/2017	07/05/2026	Common Stock	208,590		208,590	D	
Stock Option	\$ 60.84						07/06/2017	07/05/2026	Common Stock	294,812		294,812	D	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MUCCI MARTIN 911 PANORAMA TRAIL S. ROCHESTER, NY 14625	X		CEO & President	

Signatures

Stephanie L. Schaeffer, Attorney-in-fact		07/10/2017
<small>**Signature of Reporting Person</small>		<small>Date</small>

Explanation of Responses:

- * 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).
- (1) Shares gifted to a donor advised fund.
- (2) Disposition of shares to satisfy tax withholding obligations arising from lapse of restrictions applicable to restricted stock.
- (3) 401(k) balance as of June 1, 2017.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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