

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

**FORM 8-K**

**CURRENT REPORT  
Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): December 28, 2017

**Integrity Applications, Inc.**

(Exact name of registrant as specified in its charter)

Delaware	0-54785	98-0668934
(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(IRS Employer Identification No.)
19 Ha'Yahalomim St., P.O. Box 12163, Ashdod, Israel		L3 7760049
(Address of principal executive offices)		(Zip Code)

Registrant's telephone number, including area code: 972 (8) 675-7878

N/A

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR § 230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR § 240.12b-2).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

## Section 7 – Regulation FD

### Item 7.01. Regulation FD Disclosure

On December 28, 2017, Integrity Applications, Inc. (the “Company”) published a press release regarding the entry into an exclusive distribution agreement with MediReva B.V. for its non-invasive glucose monitoring device, GlucoTrack®, in the Netherlands.

A copy of the press release is attached hereto as Exhibit 99.1. The information contained in this item and the exhibit attached herewith shall be deemed furnished and not filed.

## Section 9 – Financial Statements and Exhibits

### Item 9.01. Financial Statements and Exhibits

<u>Exhibit No.</u>	<u>Description</u>
99.1	<a href="#">Press Release, dated December 28, 2017</a>

### SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: December 28, 2017

### INTEGRITY APPLICATIONS, INC.

By: /s/ John Graham  
Name: John Graham  
Title: Chief Executive Officer