## FORM 4

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

OMB APPROVAL
OMB Number: 3235-0287
Estimated average burden
hours per response... 0.5

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

#### 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

(Print or Ty	pe Response	es)														
1. Name and Address of Reporting Person * FROST PHILLIP MD ET AL				2. Issuer Name <b>and</b> Ticker or Trading Symbol Opko Health, Inc. [OPK]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  _X_ Director _X_ Officer (give title below) Other (specify below)  CEO & Chairman					
(Last) (First) (Middle) OPKO HEALTH, INC., 4400 BISCAYNE BLVD.				3. Date of Earliest Transaction (Month/Day/Year) 10/14/2010												
(Street)				4. If Amendment, Date Original Filed(Month/Day/Year)							6. Individual or Joint/Group Filing(Check Applicable Line)  Form filed by One Reporting Person					
MIAMI,	FL 33137											_X_ Form fil	ed by More than	n One Reporting	g Person	
(City	")	(State)	(Zip)		Ta	ble I -	- Non-	Deri	vative S	ecurities	Acqu	ired, Disp	osed of, or	Beneficially	<b>Owned</b>	
1. Title of Security (Instr. 3)  2. Transaction Date (Month/Day/Year			2A. Deemed Execution Date, if any (Month/Day/Year)		f Coo (Ins	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)		Form: Direct (D			
					С	Code	V	Amoun	(A) or (D)	Price			or Indirection (I) (Instr. 4)	t (Instr. 4)		
Common Stock			10/14/2010				P		1,000	A	\$ 2.51	97,919,0	97,919,052		I	See Footnote
Common Stock		10/14/2010				P		3,000	A	\$ 2.52	97,922,052		Ι	See Footnote		
Common Stock		10/14/2010				P		1,000	A	\$ 2.54	97,923,052		I	See Footnote		
Common Stock												15,490,5	546		I	See Footnote
Reminder: indirectly.	Report on a	separate line t	for each class of secu	rities benef	icially	owne	d direc	etly o	r							
								cont	ained i	n this fo	rm ar	e not req	ection of ir juired to re d OMB cor	espond un	less	SEC 1474 (9- 02)
			Table II - D	erivative S 2.g., puts, c									l			
Security	2. 3. Transaction Date Of Exercise Price of Derivative Security 3. Transaction Date (Month/Day Month/Day Derivative Security 3. Transaction Date (Month/Day Month/Day Date (Month/Day Month/Day Month/Month/Day Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Month/Mont		Year) Execution Da	Code Year) (Instr. 8)		of an		and	Date Exercisable   Expiration Date   Expiration Date   Expiration Date		Am Und Sec	Citle and count of derlying urities str. 3 and	t of Derivative Security Security (Instr. 5) and Security Security Security Owned Follow Reports		Owners Form o Derivat Security Direct (	Ownersh y: (Instr. 4) (D)
					lo V	(4)	(D)	Date Exe	cisable	Expiration Date	n Titl	Amount or e Number of Shares				

## **Reporting Owners**

Describer Occurs News / Address	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
FROST PHILLIP MD ET AL OPKO HEALTH, INC. 4400 BISCAYNE BLVD. MIAMI, FL 33137	X	X	CEO & Chairman					
Frost Gamma Investments Trust 4400 BISCAYNE BLVD. MIAMI, FL 33137		X						

### **Signatures**

Phillip Frost, M.D., Individually and as Trustee	10/15/2010	
Signature of Reporting Person	Date	

### **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).
  - The securities are held by Frost Gamma Investments Trust, of which Phillip Frost M.D., is the trustee. Frost Gamma L.P. is the sole and exclusive beneficiary of Frost Gamma Investments Trust. Dr. Frost is one of two limited partners of Frost Gamma L.P. The general partner of Frost Gamma L.P. is Frost Gamma, Inc., and the sole
- (1) shareholder of Frost Gamma, Inc. is Frost-Nevada Corporation. Dr. Frost is also the sole shareholder of Frost-Nevada Corporation. The reporting person disclaims beneficial ownership of these securities, except to the extent of any pecuniary interest therein and this report shall not be deemed an admission that the reporting person is the beneficial owner of these securities for purposes of Section 16 or for any other purpose.
- These securities are owned directly by The Frost Group, LLC. Frost Gamma Investments Trust is a principal member of The Frost Group, LLC. The reporting person (2) disclaims beneficial ownership of these securities, except to the extent of any pecuniary interest therein and this report shall not be deemed an admission that the reporting person is the beneficial owner of these securities for purposes of Section 16 or for any other purpose.

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

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

#### JOINT FILER INFORMATION

Name: Frost Gamma Investments Trust

Address:

4400 Biscayne Blvd. Miami, FL 33137

Designated Filer: Phillip Frost, M.D.

Issuer Name and Ticker Symbol: OPKO Health, Inc. (OPK)

Date of Earliest Transaction: October 14, 2010

Relationship to Issuer: 10% Owner

FROST GAMMA INVESTMENTS TRUST

By: /s/ Phillip Frost, M.D., as trustee Phillip Frost, M.D., Trustee