

Form **990**

Return of Organization Exempt From Income Tax

OMB No 1545-0047

2016

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)

- Do not enter social security numbers on this form as it may be made public.
- Information about Form 990 and its instructions is at www.irs.gov/form990.

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

A For the 2016 calendar year, or tax year beginning , and ending

B Check if applicable:
 Address change
 Name change
 Initial return
 Final return/terminated
 Amended return
 Application pending

C Name of organization Merck Medical, Dental, Life Insurance and Long Term Disability Trust
Doing business as Merck & Co., Inc.
 Number and street (or P O box if mail is not delivered to street address) Room/suite
 2000 Galloping Hill Road, K5 3155M
 City or town State ZIP code
 Kenilworth NJ 07033-1310
 Foreign country name Foreign province/state/county Foreign postal code

D Employer identification number
 22-2361740
E Telephone number
 908-740-1188

G Gross receipts \$ 1,262,481,652

F Name and address of principal officer
 Mark E McDonough 2000 Galloping Hill Road, K5 3155M, Kenilworth, NJ

H(a) Is this a group return for subordinates? Yes No
H(b) Are all subordinates included? Yes No
 If "No," attach a list (see instructions)

I Tax-exempt status 501(c)(3) 501(c) (9) ◀ (insert no) 4947(a)(1) or 527

J Website: ▶ N/A **H(c) Group exemption number** ▶

K Form of organization Corporation Trust Association Other ▶ **L Year of formation** 1980 **M State of legal domicile** NJ

Part I Summary		Prior Year	Current Year
Activities & Governance	1 Briefly describe the organization's mission or most significant activities	The Merck & Co Inc Employee Benefit Trust (as of Jan 1 2017 known as the Merck Medical Dental Life Insurance and Long Term Disability Trust) funds certain medical dental life insurance and long-term disability benefits in accordance with the terms of the Merck Medical Dental Life Insurance and Long Term Disability Plan for certain eligible union and non-union employees and certain eligible retirees of Merck & Co Inc and participating subsidiaries and each of their eligible dependents	
	2 Check this box <input type="checkbox"/> if the organization discontinued its operations or disposed of more than 25% of its net assets.		
	3 Number of voting members of the governing body (Part VI, line 1a)	3	1
	4 Number of independent voting members of the governing body (Part VI, line 1b)	4	1
	5 Total number of individuals employed in calendar year 2016 (Part V, line 2a)	5	0
	6 Total number of volunteers (estimate if necessary)	6	0
	7a Total unrelated business revenue from Part VIII, column (C), line 12	7a	0
b Net unrelated business taxable income from Form 990-T, line 34	7b	0	
Revenue	8 Contributions and grants (Part VIII, line 1h)	0	0
	9 Program service revenue (Part VIII, line 2g)	221,630,618	195,761,068
	10 Investment income (Part VIII, column (A), lines 3, 4, and 7d)	13,912	7,120,925
	11 Other revenue (Part VIII, column (A), lines 5, 6, 8c, 9c, 10c, and 11e)	0	1,059,599,659
	12 Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	221,644,530	1,262,481,652
	Expenses	13 Grants and similar amounts paid (Part IX, column (A), lines 1-3)	0
14 Benefits paid to or for members (Part IX, column (A), line 4)		245,000,839	318,314,903
15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5-10)		3,240	2,851
16a Professional fundraising fees (Part IX, column (A), line 11e)		0	0
b Total fundraising expenses (Part IX, column (D), line 25)		0	0
17 Other expenses (Part IX, column (A), lines 11a-11d, 11f-24e)		5,999,100	11,055,097
18 Total expenses. Add lines 13-17 (must equal Part IX, column (A), line 25)	251,003,179	329,372,851	
19 Revenue less expenses. Subtract line 18 from line 12	-29,358,649	933,108,801	
Net Assets or Fund Balances	20 Total assets (Part X, line 16)	Beginning of Current Year 709,043	End of Year 943,229,272
	21 Total liabilities (Part X, line 26)	0	15,357,856
	22 Net assets or fund balances. Subtract line 21 from line 20	709,043	927,871,416

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Sign Here
 Signature of officer: *Mark E. McDonough* Date: 11/10/17
 Mark E. McDonough Sr. Vice President & Treasurer

Paid Preparer Use Only
 Pnn/Type preparer's name: Marco V Bertolozzi Preparer's signature: *Marco V Bertolozzi* Date: 11/10/17 Check if self-employed PTIN: P00967456
 Firm's name: Deloitte Tax LLP Firm's EIN: 86-1065772
 Firm's address: 30 Rockefeller Plaza, New York, NY 10112-0015 Phone no: 212-436-2264

May the IRS discuss this return with the preparer shown above? (see instructions) Yes No

11 625

Part III

Statement of Program Service Accomplishments

Check if Schedule O contains a response or note to any line in this Part III. []

1 Briefly describe the organization's mission

The Merck & Co Inc Employee Benefit Trust (as of Jan 1 2017 known as the Merck Medical, Dental, Life Insurance and Long Term Disability Trust) funds certain medical, dental, life insurance and long-term disability benefits in accordance with the terms of the Medical, Dental, Life Insurance and Long Term Disability Plan for certain eligible union and non-union employees and certain eligible retirees of Merck & Co, Inc and participating subsidiaries and each of their eligible dependents

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? [] Yes [X] No
If "Yes," describe these new services on Schedule O.

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services? [] Yes [X] No
If "Yes," describe these changes on Schedule O

4 Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported.

4a (Code) (Expenses \$ 0 including grants of \$ 0) (Revenue \$ 0)

The Merck & Co, Inc. Employee Benefit Trust (as of Jan 1, 2017 known as the Merck Medical, Dental, Life Insurance and Long Term Disability Trust) funds certain medical, dental, life insurance and long-term disability benefits in accordance with the terms of the Merck Medical, Dental, Life Insurance and Long Term Disability Plan for certain eligible union and non-union employees and certain eligible retirees of Merck & Co., Inc and participating subsidiaries and each of their eligible dependents.

4b (Code) (Expenses \$ including grants of \$) (Revenue \$)

4c (Code) (Expenses \$ including grants of \$) (Revenue \$)

4d Other program services. (Describe in Schedule O.)
(Expenses \$ 0 including grants of \$ 0) (Revenue \$ 0)

4e Total program service expenses 0

Part IV Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? If "Yes," complete Schedule A		X
2 Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)?		X
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I		X
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? If "Yes," complete Schedule C, Part II		
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? If "Yes," complete Schedule C, Part III		
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? If "Yes," complete Schedule D, Part I		X
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? If "Yes," complete Schedule D, Part II		X
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? If "Yes," complete Schedule D, Part III		X
9 Did the organization report an amount in Part X, line 21, for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X, or provide credit counseling, debt management, credit repair, or debt negotiation services? If "Yes," complete Schedule D, Part IV		X
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? If "Yes," complete Schedule D, Part V		X
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? If "Yes," complete Schedule D, Part VI		X
b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII	X	
c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII		X
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part IX		X
e Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X		X
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? If "Yes," complete Schedule D, Part X		X
12a Did the organization obtain separate, independent audited financial statements for the tax year? If "Yes," complete Schedule D, Parts XI and XII		X
b Was the organization included in consolidated, independent audited financial statements for the tax year? If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional		X
13 Is the organization a school described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E		X
14a Did the organization maintain an office, employees, or agents outside of the United States?		X
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? If "Yes," complete Schedule F, Parts I and IV		X
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? If "Yes," complete Schedule F, Parts II and IV		X
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? If "Yes," complete Schedule F, Parts III and IV		X
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I (see instructions)		X
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? If "Yes," complete Schedule G, Part II		X
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," complete Schedule G, Part III		X

Part IV Checklist of Required Schedules (continued)

		Yes	No
20a	Did the organization operate one or more hospital facilities? <i>If "Yes," complete Schedule H.</i>		X
b	If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?		
21	Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II.</i>		X
22	Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III.</i>		X
23	Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J.</i>		X
24a	Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a.</i>		X
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?		
c	Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?		
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?		
25a	Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I.</i>		
b	Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I.</i>		
26	Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? <i>If "Yes," complete Schedule L, Part II.</i>		X
27	Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III.</i>		X
28	Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions)		
a	A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV.</i>		X
b	A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV.</i>		X
c	An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV.</i>		X
29	Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M.</i>		X
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M.</i>		X
31	Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I.</i>		X
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II.</i>		X
33	Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I.</i>		X
34	Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1.</i>	X	
35a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?		X
b	If "Yes" to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2.</i>		X
36	Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2.</i>		
37	Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI.</i>		X
38	Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? Note. All Form 990 filers are required to complete Schedule O.	X	

Part V Statements Regarding Other IRS Filings and Tax Compliance

Check if Schedule O contains a response or note to any line in this Part V

Table with columns for line number, description, sub-part, and Yes/No boxes. Includes questions about Form 1096, Form W-2G, Form W-3, and various tax compliance requirements.

Part VI Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to line 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions. Check if Schedule O contains a response or note to any line in this Part VI. [X]

Section A. Governing Body and Management

Table with 2 columns: Question (1a-9) and Yes/No columns. Includes questions about voting members, family relationships, management control, and documentation.

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

Table with 2 columns: Question (10a-16b) and Yes/No columns. Includes questions about local chapters, conflict of interest policies, whistleblower policies, and joint ventures.

Section C. Disclosure

- 17 List the states with which a copy of this Form 990 is required to be filed
18 Section 6104 requires an organization to make its Forms 1023 (or 1024 if applicable), 990, and 990-T (Section 501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.
19 Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year
20 State the name, address, and telephone number of the person who possesses the organization's books and records:

Merck & Co., Inc. (908) 740-1188
2000 Galloping Hill Road, K5 3155M, Kenilworth, NJ 07033-1310

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

Check if Schedule O contains a response or note to any line in this Part VII

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

1a Complete this table for all persons required to be listed. Report compensation for the calendar year ending with or within the organization's tax year

- List all of the organization's current officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
- List all of the organization's current key employees, if any. See instructions for definition of "key employee."
- List the organization's five current highest compensated employees (other than an officer, director, trustee, or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
- List all of the organization's former officers, key employees, and highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
- List all of the organization's former directors or trustees that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations

List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons

Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(1) Bank of New York Mellon Trustee	5.00		X				2,851	0	0	
(2)										
(3)										
(4)										
(5)										
(6)										
(7)										
(8)										
(9)										
(10)										
(11)										
(12)										
(13)										
(14)										

Part VII Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(15)										
(16)										
(17)										
(18)										
(19)										
(20)										
(21)										
(22)										
(23)										
(24)										
(25)										

1b Sub-total	2,851	0	0
c Total from continuation sheets to Part VII, Section A	0	0	0
d Total (add lines 1b and 1c)	2,851	0	0

2 Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization 0

	Yes	No
3 Did the organization list any former officer, director, or trustee, key employee, or highest compensated employee on line 1a? <i>If "Yes," complete Schedule J for such individual.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4 For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? <i>If "Yes," complete Schedule J for such individual.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5 Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? <i>If "Yes," complete Schedule J for such person.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization. Report compensation for the calendar year ending with or within the organization's tax year

(A) Name and business address	(B) Description of services	(C) Compensation
		0
		0
		0
		0
		0

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization 0

Part VIII Statement of Revenue

Check if Schedule O contains a response or note to any line in this Part VIII.

			(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514	
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns	1a 0				
	b	Membership dues	1b 0				
	c	Fundraising events	1c 0				
	d	Related organizations	1d 0				
	e	Government grants (contributions)	1e 0				
	f	All other contributions, gifts, grants, and similar amounts not included above	1f 0				
	g	Noncash contributions included in lines 1a-1f: \$	0				
	h	Total. Add lines 1a-1f ▶	0				
Program Service Revenue			Business Code				
	2a	Employer Contribution	900099 95,990,863	95,990,863			
	b	Employee Contribution	900099 99,770,205	99,770,205			
	c	0				
	d	0				
	e	0				
	f	All other program service revenue	0				
g	Total. Add lines 2a-2f ▶	195,761,068					
Other Revenue	3	Investment income (including dividends, interest, and other similar amounts) ▶	9,410,929			9,410,929	
	4	Income from investment of tax-exempt bond proceeds ▶	0				
	5	Royalties ▶	0				
	6a	Gross rents	(i) Real				
			(ii) Personal				
			0	0			
		Less rental expenses					
	c	Rental income or (loss)	0				
	d	Net rental income or (loss) ▶	0				
	7a	Gross amount from sales of assets other than inventory	(i) Securities	-2,290,004			
			(ii) Other	0			
			Less cost or other basis and sales expenses	0	0		
			c Gain or (loss)	-2,290,004	0		
	d	Net gain or (loss) ▶	-2,290,004			-2,290,004	
	8a	Gross income from fundraising events (not including \$ 0 of contributions reported on line 1c) See Part IV, line 18	a	0			
b			Less direct expenses	0			
c			Net income or (loss) from fundraising events ▶	0			
9a	Gross income from gaming activities. See Part IV, line 19.	a	0				
		b	Less direct expenses	0			
		c	Net income or (loss) from gaming activities ▶	0			
10a	Gross sales of inventory, less returns and allowances	a	0				
		b	Less cost of goods sold	0			
		c	Net income or (loss) from sales of inventory ▶	0			
Miscellaneous Revenue		Business Code					
11a	TRANSFER OF NET ASSETS FROM MERCK & Co. INC. UNION VEBA TRUST	900099 993,172,261			993,172,261		
b	TRANSFER OF NET ASSETS FROM MERCK & Co. INC. GLT.	900099 16,902,918			16,902,918		
c	TRANSFER OF NET ASSETS FROM SCHERING-PLOUGH EB.T.	900099 51,385,320			51,385,320		
d	All other revenue	-1,860,840			-1,860,840		
e	Total. Add lines 11a-11d ▶	1,059,599,659					
12	Total revenue. See instructions ▶	1,262,481,652	195,761,068	0	1,066,720,584		

Part IX Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns All other organizations must complete column (A)

Check if Schedule O contains a response or note to any line in this Part IX

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to domestic organizations domestic governments. See Part IV, line 21	0			
2 Grants and other assistance to domestic individuals See Part IV, line 22	0			
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16	0			
4 Benefits paid to or for members	318,314,903	318,314,903		
5 Compensation of current officers, directors, trustees, and key employees	2,851		2,851	
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0			
7 Other salaries and wages	0			
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	0			
9 Other employee benefits	0			
10 Payroll taxes	0			
11 Fees for services (non-employees).				
a Management	0			
b Legal	0			
c Accounting	0			
d Lobbying	0			
e Professional fundraising services. See Part IV, line 17	0			
f Investment management fees	520,605		520,605	
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O.)	0			
12 Advertising and promotion	0			
13 Office expenses	0			
14 Information technology	0			
15 Royalties	0			
16 Occupancy	0			
17 Travel	0			
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	0			
19 Conferences, conventions, and meetings	0			
20 Interest	0			
21 Payments to affiliates	0			
22 Depreciation, depletion, and amortization	0	0	0	0
23 Insurance	0			
24 Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a Administrative Service Fees	10,534,492	10,534,492		
b	0			
c	0			
d	0			
e All other expenses	0			
25 Total functional expenses. Add lines 1 through 24e	329,372,851	328,849,395	523,456	0
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720)				

Part X Balance Sheet

Check if Schedule O contains a response or note to any line in this Part X

		(A) Beginning of year		(B) End of year
Assets	1 Cash—non-interest-bearing		1	
	2 Savings and temporary cash investments		2	
	3 Pledges and grants receivable, net	0	3	0
	4 Accounts receivable, net	0	4	7,313,085
	5 Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L		5	
	6 Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions). Complete Part II of Schedule L		6	
	7 Notes and loans receivable, net	0	7	0
	8 Inventories for sale or use		8	
	9 Prepaid expenses and deferred charges		9	
	10a Land, buildings, and equipment cost or other basis. Complete Part VI of Schedule D	10a 0		
	b Less accumulated depreciation	10b 0	10c	0
	11 Investments—publicly traded securities	0	11	0
	12 Investments—other securities. See Part IV, line 11	709,043	12	935,916,187
	13 Investments—program-related. See Part IV, line 11	0	13	0
	14 Intangible assets	0	14	0
	15 Other assets. See Part IV, line 11	0	15	0
16 Total assets. Add lines 1 through 15 (must equal line 34)	709,043	16	943,229,272	
Liabilities	17 Accounts payable and accrued expenses	0	17	15,357,856
	18 Grants payable		18	
	19 Deferred revenue		19	
	20 Tax-exempt bond liabilities		20	
	21 Escrow or custodial account liability. Complete Part IV of Schedule D		21	
	22 Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L		22	
	23 Secured mortgages and notes payable to unrelated third parties	0	23	0
	24 Unsecured notes and loans payable to unrelated third parties	0	24	0
	25 Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D	0	25	0
	26 Total liabilities. Add lines 17 through 25	0	26	15,357,856
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.			
	27 Unrestricted net assets		27	
	28 Temporarily restricted net assets		28	
	29 Permanently restricted net assets		29	
	Organizations that do not follow SFAS 117 (ASC958), check here <input type="checkbox"/> and complete lines 30 through 34.			
	30 Capital stock or trust principal, or current funds	709,043	30	927,871,416
	31 Paid-in or capital surplus, or land, building, or equipment fund		31	
	32 Retained earnings, endowment, accumulated income, or other funds		32	
33 Total net assets or fund balances	709,043	33	927,871,416	
34 Total liabilities and net assets/fund balances	709,043	34	943,229,272	

Part XI Reconciliation of Net Assets

Check if Schedule O contains a response or note to any line in this Part XI

1	Total revenue (must equal Part VIII, column (A), line 12)	1	1,262,481,652
2	Total expenses (must equal Part IX, column (A), line 25)	2	329,372,851
3	Revenue less expenses. Subtract line 2 from line 1	3	933,108,801
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	709,043
5	Net unrealized gains (losses) on investments	5	-5,946,428
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	927,871,416

Part XII Financial Statements and Reporting

Check if Schedule O contains a response or note to any line in this Part XII

	Yes	No
1 Accounting method used to prepare the Form 990 <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual <input type="checkbox"/> Other If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O.		
2a Were the organization's financial statements compiled or reviewed by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis		X
b Were the organization's financial statements audited by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis		X
c If "Yes" to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O		
3a As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?		X
b If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits.		

**SCHEDULE D
(Form 990)**

Supplemental Financial Statements

OMB No 1545-0047

2016

▶ **Complete if the organization answered "Yes" on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b. Attach to Form 990.**

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Department of the Treasury
Internal Revenue Service

▶ **Information about Schedule D (Form 990) and its instructions is at www.irs.gov/form990.**

Name of the organization Merck Medical, Dental, Life Insurance and Long Term Disability Trust	Employer identification number 22-2361740
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Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts.

Complete if the organization answered "Yes" on Form 990, Part IV, line 6.

	(a) Donor advised funds	(b) Funds and other accounts
1 Total number at end of year		
2 Aggregate value of contributions to (during year)		
3 Aggregate value of grants from (during year)		
4 Aggregate value at end of year		
5 Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control? <input type="checkbox"/> Yes <input type="checkbox"/> No		
6 Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit? <input type="checkbox"/> Yes <input type="checkbox"/> No		

Part II Conservation Easements.

Complete if the organization answered "Yes" on Form 990, Part IV, line 7.

1 Purpose(s) of conservation easements held by the organization (check all that apply).

<input type="checkbox"/> Preservation of land for public use (e.g., recreation or education)	<input type="checkbox"/> Preservation of a historically important land area
<input type="checkbox"/> Protection of natural habitat	<input type="checkbox"/> Preservation of a certified historic structure
<input type="checkbox"/> Preservation of open space	

2 Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year.

	Held at the End of the Tax Year
a Total number of conservation easements	2a
b Total acreage restricted by conservation easements	2b
c Number of conservation easements on a certified historic structure included in (a)	2c
d Number of conservation easements included in (c) acquired after 8/17/06, and not on a historic structure listed in the National Register	2d

3 Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ▶ _____

4 Number of states where property subject to conservation easement is located ▶ _____

5 Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds? Yes No

6 Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶ _____

7 Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶ \$ _____

8 Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)? Yes No

9 In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements.

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets.

Complete if the organization answered "Yes" on Form 990, Part IV, line 8.

1a If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items

b If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items.

(i) Revenue included on Form 990, Part VIII, line 1 ▶ \$ _____

(ii) Assets included in Form 990, Part X ▶ \$ _____

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items.

a Revenue included on Form 990, Part VIII, line 1 ▶ \$ _____

b Assets included in Form 990, Part X ▶ \$ _____

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets (continued)

- 3 Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply)
- a Public exhibition
 - b Scholarly research
 - c Preservation for future generations
 - d Loan or exchange programs
 - e Other
- 4 Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.
- 5 During the year, did the organization solicit or receive donations of art, historical treasures, or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? Yes No

Part IV Escrow and Custodial Arrangements.

Complete if the organization answered "Yes" on Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

- 1a Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? Yes No
- b If "Yes," explain the arrangement in Part XIII and complete the following table.
- | | Amount |
|---------------------------------|--------|
| c Beginning balance | 0 |
| d Additions during the year | |
| e Distributions during the year | |
| f Ending balance | 0 |
- 2a Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? Yes No
- b If "Yes," explain the arrangement in Part XIII. Check here if the explanation has been provided on Part XIII.

Part V Endowment Funds.

Complete if the organization answered "Yes" on Form 990, Part IV, line 10.

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
1a Beginning of year balance	0	0	0	0	
b Contributions					
c Net investment earnings, gains, and losses					
d Grants or scholarships					
e Other expenditures for facilities and programs					
f Administrative expenses					
g End of year balance	0	0	0	0	0

- 2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as
- a Board designated or quasi-endowment %
 - b Permanent endowment %
 - c Temporarily restricted endowment %
- The percentages on lines 2a, 2b, and 2c should equal 100%.
- 3a Are there endowment funds not in the possession of the organization that are held and administered for the organization by
- | | Yes | No |
|--|-----|----|
| (i) unrelated organizations | | |
| (ii) related organizations | | |
| b If "Yes" on line 3a(ii), are the related organizations listed as required on Schedule R? | | |
- 4 Describe in Part XIII the intended uses of the organization's endowment funds

Part VI Land, Buildings, and Equipment.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land	0	0		0
b Buildings	0	0	0	0
c Leasehold improvements	0	0	0	0
d Equipment	0	0	0	0
e Other	0	0	0	0
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10c)				0

Part VII Investments—Other Securities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation Cost or end-of-year market value
(1) Financial derivatives	0	
(2) Closely-held equity interests	0	
(3) Other	935,916,187	FMV
(A)		
(B)		
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
Total. (Column (b) must equal Form 990, Part X, col (B) line 12) ▶	935,916,187	

Part VIII Investments—Program Related.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
Total. (Column (b) must equal Form 990, Part X, col (B) line 13) ▶	0	

Part IX Other Assets.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11d. See Form 990, Part X, line 15.

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col (B) line 15) ▶	0

Part X Other Liabilities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11e or 11f. See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	0
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col (B) line 25) ▶	0

2. Liability for uncertain tax positions. In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740). Check here if the text of the footnote has been provided in Part XIII

SCHEDULE O
(Form 990 or 990-EZ)

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on Form 990 or 990-EZ or to provide any additional information.

▶ Attach to Form 990 or 990-EZ.

▶ Information about Schedule O (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No 1545-0047

2016

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

Name of the organization

Merck Medical, Dental, Life Insurance and Long Term Disability Trust

Employer identification number

22-2361740

Form 990, Part VI, Section A, Line 9 Bank of New York Mellon, 135 Santilli Highway, Everett,

MA 02149

Form 990, Part VI, Section B, Line 11b Deloitte Tax LLP prepares the Form 990 and provides a copy to the taxpayer for their review and signature.

Form 990, Part VI, Section C, Line 19 The trust's governing documents and financial statements will be made available to the public upon request.

**SCHEDULE R
(Form 990)**

Department of the Treasury
Internal Revenue Service

Related Organizations and Unrelated Partnerships

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37.

▶ Attach to Form 990.

▶ Information about Schedule R (Form 990) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

**Open to Public
Inspection**

Name of the organization

Merck Medical, Dental, Life Insurance and Long Term Disability Trust

Employer identification number

22-2361740

Part I Identification of Disregarded Entities. Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity
(1)					
(2)					
(3)					
(4)					
(5)					
(6)					

Part II Identification of Related Tax-Exempt Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled entity?	
						Yes	No
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							

Part III Identification of Related Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a partnership during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income (related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of-year assets	(h) Disproportionate allocations?		(i) Code V—UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
							Yes	No		Yes	No	
(1)												
(2)												
(3)												
(4)												
(5)												
(6)												
(7)												

Part IV Identification of Related Organizations Taxable as a Corporation or Trust. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a corporation or trust during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership	(i) Section 512(b)(13) controlled entity?	
								Yes	No
(1) Merck & Co., Inc. 22-1918501 2000 Galloping Hill Road, K5 3155M Kenilworth, NJ	Pharmaceuticals	NJ		C Corp					X
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									

Part V Transactions With Related Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.

Note: Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule.

1 During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?

- a** Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity
- b** Gift, grant, or capital contribution to related organization(s)
- c** Gift, grant, or capital contribution from related organization(s)
- d** Loans or loan guarantees to or for related organization(s)
- e** Loans or loan guarantees by related organization(s)
- f** Dividends from related organization(s)
- g** Sale of assets to related organization(s)
- h** Purchase of assets from related organization(s)
- i** Exchange of assets with related organization(s)
- j** Lease of facilities, equipment, or other assets to related organization(s)
- k** Lease of facilities, equipment, or other assets from related organization(s)
- l** Performance of services or membership or fundraising solicitations for related organization(s)
- m** Performance of services or membership or fundraising solicitations by related organization(s)
- n** Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)
- o** Sharing of paid employees with related organization(s)
- p** Reimbursement paid to related organization(s) for expenses
- q** Reimbursement paid by related organization(s) for expenses
- r** Other transfer of cash or property to related organization(s)
- s** Other transfer of cash or property from related organization(s)

	Yes	No
1a		X
1b		X
1c		X
1d		X
1e		X
1f		X
1g		X
1h		X
1i		X
1j		X
1k		X
1l		X
1m		X
1n		X
1o		X
1p		X
1q		X
1r		X
1s		X

2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds.

	(a) Name of related organization	(b) Transaction type (a-s)	(c) Amount involved	(d) Method of determining amount involved
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				

Part VI Unrelated Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 37.

Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships

(a) Name, address, and EIN of entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Predominant income (related, unrelated, excluded from tax under sections 512-514)	(e) Are all partners section 501(c)(3) organizations?		(f) Share of total income	(g) Share of end-of-year assets	(h) Disproportionate allocations?		(i) Code V—UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
				Yes	No			Yes	No		Yes	No	
(1).....													
(2).....													
(3).....													
(4).....													
(5).....													
(6).....													
(7).....													
(8).....													
(9).....													
(10).....													
(11).....													
(12).....													
(13).....													
(14).....													
(15).....													
(16).....													

Part VII

Supplemental Information.

Provide additional information for responses to questions on Schedule R. See Instructions.

Area with horizontal dashed lines for supplemental information.