

CHANGE OF ACCOUNTING PERIOD

Form **990**

**Return of Organization Exempt From Income Tax**

OMB No. 1545-0047

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

2017

Department of the Treasury  
Internal Revenue Service

▶ Do not enter social security numbers on this form as it may be made public.

Open to Public Inspection

▶ Go to [www.irs.gov/Form990](http://www.irs.gov/Form990) for instructions and the latest information.

**A** For the 2017 calendar year, or tax year beginning **JAN 1, 2017** and ending **JUN 30, 2017**

<p><b>B</b> Check if applicable:</p> <p><input type="checkbox"/> Address change</p> <p><input type="checkbox"/> Name change</p> <p><input type="checkbox"/> Initial return</p> <p><input type="checkbox"/> Final return/terminated</p> <p><input type="checkbox"/> Amended return</p> <p><input type="checkbox"/> Application pending</p>	<p><b>C</b> Name of organization <b>Orthopaedic Research and Education Foundation</b></p> <p>Doing business as <b>OREF</b></p> <p>Number and street (or P.O. box if mail is not delivered to street address) Room/suite <b>9400 W. Higgins Road 215</b></p> <p>City or town, state or province, country, and ZIP or foreign postal code <b>Rosemont, IL 60018</b></p> <p><b>F</b> Name and address of principal officer: <b>P. Joanne Ray</b> <b>same as C above</b></p>	<p><b>D</b> Employer identification number <b>36-6009467</b></p> <p><b>E</b> Telephone number <b>847-698-9980</b></p> <p><b>G</b> Gross receipts \$ <b>3,736,432.</b></p> <p><b>H(a)</b> Is this a group return for subordinates? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><b>H(b)</b> Are all subordinates included? <input type="checkbox"/> Yes <input type="checkbox"/> No If "No," attach a list. (see instructions)</p> <p><b>H(c)</b> Group exemption number ▶</p>
<p><b>I</b> Tax-exempt status: <input checked="" type="checkbox"/> 501(c)(3) <input type="checkbox"/> 501(c)( ) (insert no.) <input type="checkbox"/> 4947(a)(1) or <input type="checkbox"/> 527</p>		
<p><b>J</b> Website: ▶ <b>www.oref.org</b></p>		
<p><b>K</b> Form of organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Trust <input type="checkbox"/> Association <input type="checkbox"/> Other ▶</p>		
		<p><b>L</b> Year of formation: <b>1955</b> <b>M</b> State of legal domicile: <b>IL</b></p>

**Part I Summary**

<b>Activities &amp; Governance</b>	<p><b>1</b> Briefly describe the organization's mission or most significant activities: <b>Improving lives by supporting research in orthopaedic research</b></p> <p><b>2</b> Check this box <input type="checkbox"/> if the organization discontinued its operations or disposed of more than 25% of its net assets.</p>			
	<p><b>3</b> Number of voting members of the governing body (Part VI, line 1a) <b>3</b></p> <p><b>4</b> Number of independent voting members of the governing body (Part VI, line 1b) <b>4</b></p> <p><b>5</b> Total number of individuals employed in calendar year 2017 (Part V, line 2a) <b>0</b></p> <p><b>6</b> Total number of volunteers (estimate if necessary) <b>150</b></p> <p><b>7a</b> Total unrelated business revenue from Part VIII, column (C), line 12 <b>0.</b></p> <p><b>7b</b> Net unrelated business taxable income from Form 990-T, line 34 <b>0.</b></p>	<b>24</b>	<b>24</b>	<b>0</b>
<b>Revenue</b>		<b>Prior Year</b>	<b>Current Year</b>	
	<b>8</b> Contributions and grants (Part VIII, line 1h) <b>4,715,824.</b>	<b>4,715,824.</b>	<b>1,915,064.</b>	
	<b>9</b> Program service revenue (Part VIII, line 2g) <b>0.</b>	<b>0.</b>	<b>0.</b>	
	<b>10</b> Investment income (Part VIII, column (A), lines 3, 4, and 7d) <b>389,409.</b>	<b>389,409.</b>	<b>192,213.</b>	
	<b>11</b> Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e) <b>0.</b>	<b>0.</b>	<b>0.</b>	
	<b>12</b> Total revenue - add lines 8 through 11 (must equal Part VIII, column (A), line 12) <b>5,105,233.</b>	<b>5,105,233.</b>	<b>2,107,277.</b>	
<b>Expenses</b>				
	<b>13</b> Grants and similar amounts paid (Part IX, column (A), lines 1-3) <b>1,894,516.</b>	<b>1,894,516.</b>	<b>1,280,727.</b>	
	<b>14</b> Benefits paid to or for members (Part IX, column (A), line 4) <b>0.</b>	<b>0.</b>	<b>0.</b>	
	<b>15</b> Salaries, other compensation, employee benefits (Part IX, column (A), lines 5-10) <b>1,667,205.</b>	<b>1,667,205.</b>	<b>846,100.</b>	
	<b>16a</b> Professional fundraising fees (Part IX, column (A), line 11e) <b>0.</b>	<b>0.</b>	<b>0.</b>	
	<b>b</b> Total fundraising expenses (Part IX, column (D), line 25) <b>▶ 1,102,297.</b>			
	<b>17</b> Other expenses (Part IX, column (A), lines 11a-11d, 11f-24e) <b>1,603,987.</b>	<b>1,603,987.</b>	<b>891,257.</b>	
	<b>18</b> Total expenses. Add lines 13-17 (must equal Part IX, column (A), line 25) <b>5,165,708.</b>	<b>5,165,708.</b>	<b>3,018,084.</b>	
	<b>19</b> Revenue less expenses. Subtract line 18 from line 12 <b>-60,475.</b>	<b>-60,475.</b>	<b>-910,807.</b>	
<b>Net Assets or Fund Balances</b>		<b>Beginning of Current Year</b>	<b>End of Year</b>	
	<b>20</b> Total assets (Part X, line 16) <b>25,717,011.</b>	<b>25,717,011.</b>	<b>24,732,861.</b>	
	<b>21</b> Total liabilities (Part X, line 26) <b>3,944,483.</b>	<b>3,944,483.</b>	<b>4,141,707.</b>	
	<b>22</b> Net assets or fund balances. Subtract line 21 from line 20 <b>21,772,528.</b>	<b>21,772,528.</b>	<b>20,591,154.</b>	

**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.

<b>Sign Here</b>	<p>Signature of officer </p> <p><b>P. Joanne Ray, Chief Executive Officer</b></p> <p>Type or print name and title</p>	<p>Date <b>05-10-18</b></p>
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<b>Paid Preparer Use Only</b>	<p>Print/Type preparer's name <b>Paul Betlinski</b></p> <p>Firm's name ▶ <b>Desmond &amp; Ahern, Ltd</b></p> <p>Firm's address ▶ <b>10827 S. Western Avenue Chicago, IL 60643</b></p>	<p>Preparer's signature </p> <p>Date <b>05/07/18</b></p> <p>Firm's EIN ▶ <b>36-3321958</b></p> <p>Phone no. <b>773-779-4720</b></p>	<p>Check if self-employed <input type="checkbox"/></p> <p>PTIN <b>P01960501</b></p>
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May the IRS discuss this return with the preparer shown above? (see instructions)  Yes  No

Orthopaedic Research and Education Foundation

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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 Orthopaedic Research and Education Foundation (OREF) mission is improving lives by supporting excellence in orthopaedic research. OREF's vision is that it will be the leader in supporting orthopaedic research to improve function, eliminate pain and restore mobility.

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? No

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services? No

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 \$ 1,443,734. including grants of \$ 1,280,727.) (Revenue \$ ) OREF supports research into the causes and treatment of musculoskeletal diseases and injuries. The Organization's niche is to support surgeon-researchers and PHD-researchers in basic science/translation, clinical, and health services research. OREF also offers new orthopaedic medical researchers the opportunity to develop their research interests and skills. Through educational programming, the Organization supports emerging talent to help them successfully pursue research careers.

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

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

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

4e Total program service expenses 1,443,734.

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**Orthopaedic Research and Education  
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**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)? <i>If "Yes," complete Schedule A</i>	X	
2	Is the organization required to complete <i>Schedule B, Schedule of Contributors</i> ?	X	
3	Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I</i>		X
4	<b>Section 501(c)(3) organizations.</b> Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? <i>If "Yes," complete Schedule C, Part II</i>		X
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? <i>If "Yes," complete Schedule C, Part III</i>		X
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? <i>If "Yes," complete Schedule D, Part I</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? <i>If "Yes," complete Schedule D, Part II</i>		X
8	Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III</i>		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? <i>If "Yes," complete Schedule D, Part IV</i>	X	
10	Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? <i>If "Yes," complete Schedule D, Part V</i>	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? <i>If "Yes," complete Schedule D, Part VI</i>	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? <i>If "Yes," complete Schedule D, Part VII</i>		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? <i>If "Yes," complete Schedule D, Part VIII</i>		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? <i>If "Yes," complete Schedule D, Part IX</i>	X	
e	Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X</i>		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)? <i>If "Yes," complete Schedule D, Part X</i>	X	
12a	Did the organization obtain separate, independent audited financial statements for the tax year? <i>If "Yes," complete Schedule D, Parts XI and XII</i>	X	
b	Was the organization included in consolidated, independent audited financial statements for the tax year? <i>If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional</i>		X
13	Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E</i>		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? <i>If "Yes," complete Schedule F, Parts I and IV</i>	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? <i>If "Yes," complete Schedule F, Parts II and IV</i>		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? <i>If "Yes," complete Schedule F, Parts III and IV</i>		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? <i>If "Yes," complete Schedule G, Part I</i>		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? <i>If "Yes," complete Schedule G, Part II</i>		X
19	Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III</i>		X

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**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	<b>Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations.</b> 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>		X
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>		X
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>		
36	<b>Section 501(c)(3) organizations.</b> Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i>		X
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?	X	

**Note.** All Form 990 filers are required to complete Schedule O

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**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

		Yes	No
<b>1a</b>	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable		
<b>1b</b>	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable		
<b>1c</b>	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?		
<b>2a</b>	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return		
<b>2b</b>	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? <b>Note.</b> If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions)		
<b>3a</b>	Did the organization have unrelated business gross income of \$1,000 or more during the year?		X
<b>3b</b>	If "Yes," has it filed a Form 990-T for this year? If "No," to line 3b, provide an explanation in Schedule O		
<b>4a</b>	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?		X
<b>4b</b>	If "Yes," enter the name of the foreign country: See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR).		
<b>5a</b>	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?		X
<b>5b</b>	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?		X
<b>5c</b>	If "Yes," to line 5a or 5b, did the organization file Form 8886-T?		
<b>6a</b>	Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions?		X
<b>6b</b>	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?		
<b>7</b>	<b>Organizations that may receive deductible contributions under section 170(c).</b>		
<b>7a</b>	Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor?	X	
<b>7b</b>	If "Yes," did the organization notify the donor of the value of the goods or services provided?	X	
<b>7c</b>	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?		X
<b>7d</b>	If "Yes," indicate the number of Forms 8282 filed during the year		
<b>7e</b>	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?		X
<b>7f</b>	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?		X
<b>7g</b>	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		
<b>7h</b>	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?		
<b>8</b>	<b>Sponsoring organizations maintaining donor advised funds.</b> Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year?		
<b>9</b>	<b>Sponsoring organizations maintaining donor advised funds.</b>		
<b>9a</b>	Did the sponsoring organization make any taxable distributions under section 4966?		
<b>9b</b>	Did the sponsoring organization make a distribution to a donor, donor advisor, or related person?		
<b>10</b>	<b>Section 501(c)(7) organizations.</b> Enter:		
<b>10a</b>	Initiation fees and capital contributions included on Part VIII, line 12		
<b>10b</b>	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities		
<b>11</b>	<b>Section 501(c)(12) organizations.</b> Enter:		
<b>11a</b>	Gross income from members or shareholders		
<b>11b</b>	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them.)		
<b>12a</b>	<b>Section 4947(a)(1) non-exempt charitable trusts.</b> Is the organization filing Form 990 in lieu of Form 1041?		
<b>12b</b>	If "Yes," enter the amount of tax-exempt interest received or accrued during the year		
<b>13</b>	<b>Section 501(c)(29) qualified nonprofit health insurance issuers.</b>		
<b>13a</b>	Is the organization licensed to issue qualified health plans in more than one state? <b>Note.</b> See the instructions for additional information the organization must report on Schedule O.		
<b>13b</b>	Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans		
<b>13c</b>	Enter the amount of reserves on hand		
<b>14a</b>	Did the organization receive any payments for indoor tanning services during the tax year?		X
<b>14b</b>	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O		

**Orthopaedic Research and Education  
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**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

**Section A. Governing Body and Management**

		Yes	No
<b>1a</b> Enter the number of voting members of the governing body at the end of the tax year	24		
If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O.			
<b>1b</b> Enter the number of voting members included in line 1a, above, who are independent	24		
<b>2</b> Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?	2		X
<b>3</b> Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors, or trustees, or key employees to a management company or other person?	3		X
<b>4</b> Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?	4		X
<b>5</b> Did the organization become aware during the year of a significant diversion of the organization's assets?	5		X
<b>6</b> Did the organization have members or stockholders?	6		X
<b>7a</b> Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?	7a		X
<b>7b</b> Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	7b		X
<b>8</b> Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:			
<b>a</b> The governing body?	8a	X	
<b>b</b> Each committee with authority to act on behalf of the governing body?	8b	X	
<b>9</b> Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O	9		X

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

	Yes	No
<b>10a</b> Did the organization have local chapters, branches, or affiliates?		X
<b>b</b> If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?		
<b>11a</b> Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	X	
<b>b</b> Describe in Schedule O the process, if any, used by the organization to review this Form 990.		
<b>12a</b> Did the organization have a written conflict of interest policy? If "No," go to line 13	X	
<b>b</b> Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	X	
<b>c</b> Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	X	
<b>13</b> Did the organization have a written whistleblower policy?	X	
<b>14</b> Did the organization have a written document retention and destruction policy?	X	
<b>15</b> Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?		
<b>a</b> The organization's CEO, Executive Director, or top management official	X	
<b>b</b> Other officers or key employees of the organization	X	
If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions).		
<b>16a</b> Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?		X
<b>b</b> If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?		

**Section C. Disclosure**

- 17** List the states with which a copy of this Form 990 is required to be filed **AK, AL, AR, AZ, CA, CT, DC, DE, FL, GA, IL, IN**
- 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.  
 Own website     Another's website     Upon request     Other (explain in Schedule O)
- 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: **Rhonda Dirr - 847-698-9980**  
**9400 W. Higgins Road, Rosemont, IL 60018**

See Schedule O for full list of states

**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 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) David G. Lewallen, MD President	5.00	X		X						
(2) Michael L. Parks, MD President-elect	5.00	X		X						
(3) John J. Callaghan, MD Past Board President	5.00	X		X						
(4) James G. Borovsky Secretary-Treasurer	5.00	X		X						
(5) Farshid Guilak, PhD Chari-Grants	5.00	X								
(6) Richard F. Kyle, MD Chair-Corporate Development	5.00	X								
(7) Richard F. Santore, MD Chair-Individual Development	5.00	X								
(8) Jeffrey S. Abrams, MD Trustee	5.00	X								
(9) Christopher R. Adams, MD Trustee	5.00	X								
(10) B. Sonny Bal, MD Trustee	5.00	X								
(11) John A. Bergfeld, MD Trustee	5.00	X								
(12) Paul C. Collins, MD Trustee	5.00	X								
(13) Matthew B. Dobbs, MD Trustee	5.00	X								
(14) John H. Healy, MD Trustee thru 3/2017	5.00	X								
(15) David C. Dvorak, JD Trustee	5.00	X								
(16) James R. Ficke, MD Trustee	5.00	X								
(17) Letha Y. Griffin, MD Trustee	5.00	X								

**Orthopaedic Research and Education  
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**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 line)	(C) Position <small>(do not check more than one box, unless person is both an officer and a director/trustee)</small>						(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			
(18) John R. Tongue, MD Trustee	5.00	X								
(19) Joshua J. Jacobs, MD Trustee	5.00	X								
(20) Lawrence G. Lenke, MD Trustee	5.00	X								
(21) Thomas P. Sculco, MD Trustee	5.00	X								
(22) Mary Lloyd Ireland, MD Trustee since 3/2017	5.00	X								
(23) William C. Mc Master, MD Trustee	5.00	X								
(24) Eric Dremel Trustee since 3/2017	5.00	X								
(25) Timothy Luchetti, MD Trustee since 3/2017	5.00	X								
(26) Sharon Mellor CEO thru 4/7/17	40.00			X						
<b>1b Sub-total</b> .....										
<b>c Total from continuation sheets to Part VII, Section A</b> .....										
<b>d Total (add lines 1b and 1c)</b> .....										

**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 **▶**

	Yes	No
<b>3</b> Did the organization list any former officer, director, or trustee, key employee, or highest compensated employee on line 1a? If "Yes," complete Schedule J for such individual .....	3	X
<b>4</b> 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? If "Yes," complete Schedule J for such individual .....	4	X
<b>5</b> Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? If "Yes," complete Schedule J for such person .....	5	X

**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
NONE		

**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 **▶**

See Part VII, Section A Continuation sheets

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**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 line)	(C) Position (check all that apply)						(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			
(27) P. Joanne Ray CEO since 5/22/17	40.00			X						
Total to Part VII, Section A, line 1c .....										

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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	1 a Federated campaigns	1a				
	b Membership dues	1b				
	c Fundraising events	1c				
	d Related organizations	1d				
	e Government grants (contributions)	1e				
	f All other contributions, gifts, grants, and similar amounts not included above	1f 1,915,064.				
	g Noncash contributions included in lines 1a-1f: \$					
	h Total. Add lines 1a-1f		1,915,064.			
	Business Code					
Program Service Revenue	2 a					
	b					
	c					
	d					
	e					
	f All other program service revenue					
	g Total. Add lines 2a-2f					
Other Revenue	3 Investment income (including dividends, interest, and other similar amounts)		173,711.		173,711.	
	4 Income from investment of tax-exempt bond proceeds					
	5 Royalties					
	6 a Gross rents	(i) Real				
		(ii) Personal				
		b Less: rental expenses				
		c Rental income or (loss)				
	d Net rental income or (loss)					
	7 a Gross amount from sales of assets other than inventory	(i) Securities	1,647,657.			
		(ii) Other				
		b Less: cost or other basis and sales expenses	1,629,155.			
		c Gain or (loss)	18,502.			
	d Net gain or (loss)		18,502.		18,502.	
	8 a Gross income from fundraising events (not including \$ of contributions reported on line 1c). See Part IV, line 18	a				
	b Less: direct expenses	b				
c Net income or (loss) from fundraising events						
9 a Gross income from gaming activities. See Part IV, line 19	a					
b Less: direct expenses	b					
c Net income or (loss) from gaming activities						
10 a Gross sales of inventory, less returns and allowances	a					
b Less: cost of goods sold	b					
c Net income or (loss) from sales of inventory						
Miscellaneous Revenue						
Business Code						
11 a						
	b					
	c					
	d All other revenue					
	e Total. Add lines 11a-11d					
12 Total revenue. See instructions.		2,107,277.	0.	0.	192,213.	

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**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 and domestic governments. See Part IV, line 21	1,276,727.	1,276,727.		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	4,000.	4,000.		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16				
4 Benefits paid to or for members				
5 Compensation of current officers, directors, trustees, and key employees	40,506.	6,426.	15,982.	18,098.
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)				
7 Other salaries and wages	653,568.	54,432.	179,665.	419,471.
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	45,382.	3,780.	12,475.	29,127.
9 Other employee benefits	55,456.	4,619.	15,245.	35,592.
10 Payroll taxes	51,188.	4,263.	14,071.	32,854.
11 Fees for services (non-employees):				
a Management				420.
b Legal	420.			
c Accounting	30,500.		30,500.	
d Lobbying				
e Professional fundraising services. See Part IV, line 17				
f Investment management fees				
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Sch O.)	122,167.	15,532.	43,064.	63,571.
12 Advertising and promotion	68,795.	9,131.	2,758.	56,906.
13 Office expenses	33,789.	8,785.	15,543.	9,461.
14 Information technology	23,784.	6,184.	10,941.	6,659.
15 Royalties				
16 Occupancy	63,874.	5,100.	32,145.	26,629.
17 Travel	41,319.	6,622.	9,229.	25,468.
18 Payments of travel or entertainment expenses for any federal, state, or local public officials				
19 Conferences, conventions, and meetings	85,620.	14,248.	17,124.	54,248.
20 Interest				
21 Payments to affiliates				
22 Depreciation, depletion, and amortization	52,100.	3,546.	23,966.	24,588.
23 Insurance	68,471.		45,653.	22,818.
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 <b>Bad debt</b>	262,200.			262,200.
b <b>Award</b>	20,000.	20,000.		
c <b>Recognition awards</b>	8,242.	159.	1,681.	6,402.
d <b>Miscellaneous</b>	6,813.	180.	652.	5,981.
e All other expenses	3,163.		1,359.	1,804.
25 <b>Total functional expenses.</b> Add lines 1 through 24e	3,018,084.	1,443,734.	472,053.	1,102,297.
26 <b>Joint costs.</b> Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation.				

Check here  if following SOP 98-2 (ASC 958-720)

**Orthopaedic Research and Education  
Foundation**

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**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	
<b>Assets</b>	<b>1</b> Cash - non-interest-bearing .....		<b>1</b>		
	<b>2</b> Savings and temporary cash investments .....	3,903,657.	<b>2</b>	2,536,333.	
	<b>3</b> Pledges and grants receivable, net .....	2,762,331.	<b>3</b>	2,232,849.	
	<b>4</b> Accounts receivable, net .....		<b>4</b>		
	<b>5</b> Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L .....			<b>5</b>	
	<b>6</b> 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 instr). Complete Part II of Sch L .....			<b>6</b>	
	<b>7</b> Notes and loans receivable, net .....			<b>7</b>	
	<b>8</b> Inventories for sale or use .....			<b>8</b>	
	<b>9</b> Prepaid expenses and deferred charges .....	83,718.	<b>9</b>	39,908.	
	<b>10a</b> Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D .....	290,247.			
	<b>b</b> Less: accumulated depreciation .....	159,060.			
	<b>11</b> Investments - publicly traded securities .....	171,396.	<b>10c</b>	131,187.	
	<b>12</b> Investments - other securities. See Part IV, line 11 .....	13,444,047.	<b>11</b>	14,778,861.	
	<b>13</b> Investments - program-related. See Part IV, line 11 .....		<b>12</b>		
	<b>14</b> Intangible assets .....		<b>13</b>		
	<b>15</b> Other assets. See Part IV, line 11 .....	5,351,862.	<b>14</b>	5,013,723.	
<b>16</b> <b>Total assets.</b> Add lines 1 through 15 (must equal line 34) .....	25,717,011.	<b>15</b>	24,732,861.		
<b>Liabilities</b>	<b>17</b> Accounts payable and accrued expenses .....	190,179.	<b>16</b>	176,377.	
	<b>18</b> Grants payable .....	2,807,986.	<b>17</b>	2,691,038.	
	<b>19</b> Deferred revenue .....		<b>18</b>		
	<b>20</b> Tax-exempt bond liabilities .....		<b>19</b>		
	<b>21</b> Escrow or custodial account liability. Complete Part IV of Schedule D .....	946,318.	<b>20</b>	1,274,292.	
	<b>22</b> 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 .....		<b>21</b>		
	<b>23</b> Secured mortgages and notes payable to unrelated third parties .....		<b>22</b>		
	<b>24</b> Unsecured notes and loans payable to unrelated third parties .....		<b>23</b>		
	<b>25</b> 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 .....		<b>24</b>		
	<b>26</b> <b>Total liabilities.</b> Add lines 17 through 25 .....	3,944,483.	<b>25</b>	4,141,707.	
<b>Net Assets or Fund Balances</b>	<b>Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.</b>				
	<b>27</b> Unrestricted net assets .....	-2,497,081.	<b>26</b>	-2,505,924.	
	<b>28</b> Temporarily restricted net assets .....	7,085,820.	<b>27</b>	6,775,392.	
	<b>29</b> Permanently restricted net assets .....	17,183,789.	<b>28</b>	16,321,686.	
	<b>Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34.</b>				
	<b>30</b> Capital stock or trust principal, or current funds .....		<b>29</b>		
	<b>31</b> Paid-in or capital surplus, or land, building, or equipment fund .....		<b>30</b>		
	<b>32</b> Retained earnings, endowment, accumulated income, or other funds .....		<b>31</b>		
	<b>33</b> Total net assets or fund balances .....	21,772,528.	<b>32</b>	20,591,154.	
	<b>34</b> Total liabilities and net assets/fund balances .....	25,717,011.	<b>33</b>	24,732,861.	

Form 990 (2017)

**Orthopaedic Research and Education  
Foundation**

**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	2,107,277.
2 Total expenses (must equal Part IX, column (A), line 25) .....	2	3,018,084.
3 Revenue less expenses. Subtract line 2 from line 1 .....	3	-910,807.
4 Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A)) .....	4	21,772,528.
5 Net unrealized gains (losses) on investments .....	5	780,049.
6 Donated services and use of facilities .....	6	
7 Investment expenses .....	7	
8 Prior period adjustments .....	8	-1,094,458.
9 Other changes in net assets or fund balances (explain in Schedule O) .....	9	43,842.
10 Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B)) .....	10	20,591,154.

**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 type="checkbox"/> Cash <input checked="" 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? .....	2a		X
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			
b Were the organization's financial statements audited by an independent accountant? .....	2b	X	
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 checked="" type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis			
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? .....	2c	X	
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? .....	3a		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 .....	3b		

SCHEDULE A
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Public Charity Status and Public Support
Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.
Attach to Form 990 or Form 990-EZ.
Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

Open to Public Inspection

Name of the organization: Orthopaedic Research and Education Foundation
Employer identification number: 36-6009467

Part I Reason for Public Charity Status (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is: (For lines 1 through 12, check only one box.)

- 1 [ ] A church, convention of churches, or association of churches described in section 170(b)(1)(A)(i).
2 [ ] A school described in section 170(b)(1)(A)(ii). (Attach Schedule E (Form 990 or 990-EZ).)
3 [ ] A hospital or a cooperative hospital service organization described in section 170(b)(1)(A)(iii).
4 [ ] A medical research organization operated in conjunction with a hospital described in section 170(b)(1)(A)(iii). Enter the hospital's name, city, and state:
5 [ ] An organization operated for the benefit of a college or university owned or operated by a governmental unit described in section 170(b)(1)(A)(iv). (Complete Part II.)
6 [ ] A federal, state, or local government or governmental unit described in section 170(b)(1)(A)(v).
7 [X] An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in section 170(b)(1)(A)(vi). (Complete Part II.)
8 [ ] A community trust described in section 170(b)(1)(A)(vi). (Complete Part II.)
9 [ ] An agricultural research organization described in section 170(b)(1)(A)(ix) operated in conjunction with a land-grant college or university or a non-land-grant college of agriculture (see instructions). Enter the name, city, and state of the college or university:
10 [ ] An organization that normally receives: (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions - subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975. See section 509(a)(2). (Complete Part III.)
11 [ ] An organization organized and operated exclusively to test for public safety. See section 509(a)(4).
12 [ ] An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2). See section 509(a)(3). Check the box in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g.
a [ ] Type I. A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization. You must complete Part IV, Sections A and B.
b [ ] Type II. A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s). You must complete Part IV, Sections A and C.
c [ ] Type III functionally integrated. A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions). You must complete Part IV, Sections A, D, and E.
d [ ] Type III non-functionally integrated. A supporting organization operated in connection with its supported organization(s) that is not functionally integrated. The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions). You must complete Part IV, Sections A and D, and Part V.
e [ ] Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization.
f Enter the number of supported organizations

Table with 6 columns: (i) Name of supported organization, (ii) EIN, (iii) Type of organization, (iv) Is the organization listed in your governing document?, (v) Amount of monetary support, (vi) Amount of other support. Includes a Total row at the bottom.

**Orthopaedic Research and Education**

**Part II Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)**

(Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

**Section A. Public Support**

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
<b>1</b> Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.") .....	6370076.	4520407.	5097325.	4715824.	1915066.	22618698.
<b>2</b> Tax revenues levied for the organization's benefit and either paid to or expended on its behalf .....						
<b>3</b> The value of services or facilities furnished by a governmental unit to the organization without charge .....						
<b>4 Total.</b> Add lines 1 through 3 .....	6370076.	4520407.	5097325.	4715824.	1915066.	22618698.
<b>5</b> The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f) .....						1869909.
<b>6 Public support.</b> Subtract line 5 from line 4.						20748789.

**Section B. Total Support**

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
<b>7</b> Amounts from line 4 .....	6370076.	4520407.	5097325.	4715824.	1915066.	22618698.
<b>8</b> Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources .....	872,830.	904,836.	805,283.	431,365.	173,711.	3188025.
<b>9</b> Net income from unrelated business activities, whether or not the business is regularly carried on .....						
<b>10</b> Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.) .....						
<b>11 Total support.</b> Add lines 7 through 10						25806723.
<b>12</b> Gross receipts from related activities, etc. (see instructions) .....					12	
<b>13 First five years.</b> If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here .....						<input type="checkbox"/>

**Section C. Computation of Public Support Percentage**

<b>14</b> Public support percentage for 2017 (line 6, column (f) divided by line 11, column (f)) .....	<b>14</b>	80.40 %
<b>15</b> Public support percentage from 2016 Schedule A, Part II, line 14 .....	<b>15</b>	87.38 %
<b>16a 33 1/3% support test - 2017.</b> If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization .....	►	<input checked="" type="checkbox"/>
<b>b 33 1/3% support test - 2016.</b> If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization .....	►	<input type="checkbox"/>
<b>17a 10% -facts-and-circumstances test - 2017.</b> If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization .....	►	<input type="checkbox"/>
<b>b 10% -facts-and-circumstances test - 2016.</b> If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization .....	►	<input type="checkbox"/>
<b>18 Private foundation.</b> If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions .....	►	<input type="checkbox"/>

**Part III Support Schedule for Organizations Described in Section 509(a)(2)**

(Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

**Section A. Public Support**

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
<b>1</b> Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")						
<b>2</b> Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose						
<b>3</b> Gross receipts from activities that are not an unrelated trade or business under section 513						
<b>4</b> Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
<b>5</b> The value of services or facilities furnished by a governmental unit to the organization without charge						
<b>6 Total.</b> Add lines 1 through 5						
<b>7a</b> Amounts included on lines 1, 2, and 3 received from disqualified persons						
<b>b</b> Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year						
<b>c</b> Add lines 7a and 7b						
<b>8 Public support.</b> (Subtract line 7c from line 6.)						

**Section B. Total Support**

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
<b>9</b> Amounts from line 6						
<b>10a</b> Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources						
<b>b</b> Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						
<b>c</b> Add lines 10a and 10b						
<b>11</b> Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on						
<b>12</b> Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						
<b>13 Total support.</b> (Add lines 9, 10c, 11, and 12.)						

**14 First five years.** If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here**

**Section C. Computation of Public Support Percentage**

<b>15</b> Public support percentage for 2017 (line 8, column (f) divided by line 13, column (f))	15	%
<b>16</b> Public support percentage from 2016 Schedule A, Part III, line 15	16	%

**Section D. Computation of Investment Income Percentage**

<b>17</b> Investment income percentage for 2017 (line 10c, column (f) divided by line 13, column (f))	17	%
<b>18</b> Investment income percentage from 2016 Schedule A, Part III, line 17	18	%

**19a 33 1/3% support tests - 2017.** If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization

**b 33 1/3% support tests - 2016.** If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3%, and line 18 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization

**20 Private foundation.** If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions



**Part IV Supporting Organizations**

(Complete only if you checked a box in line 12 on Part I. If you checked 12a of Part I, complete Sections A and B. If you checked 12b of Part I, complete Sections A and C. If you checked 12c of Part I, complete Sections A, D, and E. If you checked 12d of Part I, complete Sections A and D, and complete Part V.)

**Section A. All Supporting Organizations**

- 1 Are all of the organization's supported organizations listed by name in the organization's governing documents? If "No," describe in **Part VI** how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.
- 2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? If "Yes," explain in **Part VI** how the organization determined that the supported organization was described in section 509(a)(1) or (2).
- 3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer (b) and (c) below.
- b Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? If "Yes," describe in **Part VI** when and how the organization made the determination.
- c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? If "Yes," explain in **Part VI** what controls the organization put in place to ensure such use.
- 4a Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes," and if you checked 12a or 12b in Part I, answer (b) and (c) below.
- b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? If "Yes," describe in **Part VI** how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.
- c Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? If "Yes," explain in **Part VI** what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.
- 5a Did the organization add, substitute, or remove any supported organizations during the tax year? If "Yes," answer (b) and (c) below (if applicable). Also, provide detail in **Part VI**, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed; (ii) the reasons for each such action; (iii) the authority under the organization's organizing document authorizing such action; and (iv) how the action was accomplished (such as by amendment to the organizing document).
- b **Type I or Type II only.** Was any added or substituted supported organization part of a class already designated in the organization's organizing document?
- c **Substitutions only.** Was the substitution the result of an event beyond the organization's control?
- 6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? If "Yes," provide detail in **Part VI**.
- 7 Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).
- 8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).
- 9a Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? If "Yes," provide detail in **Part VI**.
- b Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? If "Yes," provide detail in **Part VI**.
- c Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? If "Yes," provide detail in **Part VI**.
- 10a Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? If "Yes," answer 10b below.
- b Did the organization have any excess business holdings in the tax year? (Use Schedule C, Form 4720, to determine whether the organization had excess business holdings.)

	Yes	No
1		
2		
3a		
3b		
3c		
4a		
4b		
4c		
5a		
5b		
5c		
6		
7		
8		
9a		
9b		
9c		
10a		
10b		

**Part IV Supporting Organizations** (continued)

	Yes	No
<b>11</b> Has the organization accepted a gift or contribution from any of the following persons?		
<b>a</b> A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?		
<b>b</b> A family member of a person described in (a) above?		
<b>c</b> A 35% controlled entity of a person described in (a) or (b) above? If "Yes" to a, b, or c, provide detail in Part VI.		

**Section B. Type I Supporting Organizations**

	Yes	No
<b>1</b> Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.		
<b>2</b> Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised, or controlled the supporting organization.		

**Section C. Type II Supporting Organizations**

	Yes	No
<b>1</b> Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? If "No," describe in Part VI how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).		

**Section D. All Type III Supporting Organizations**

	Yes	No
<b>1</b> Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?		
<b>2</b> Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).		
<b>3</b> By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.		

**Section E. Type III Functionally Integrated Supporting Organizations**

<b>1</b> Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions).		
<b>a</b> <input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.		
<b>b</b> <input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.		
<b>c</b> <input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions).		
<b>2</b> Activities Test. Answer (a) and (b) below.	Yes	No
<b>a</b> Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.		
<b>b</b> Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.		
<b>3</b> Parent of Supported Organizations. Answer (a) and (b) below.		
<b>a</b> Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? Provide details in Part VI.		
<b>b</b> Did the organization exercise a substantial degree of direction over the policies, programs, and activities of each of its supported organizations? If "Yes," describe in Part VI the role played by the organization in this regard.		

**Orthopaedic Research and Education**

**Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations**

1  Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (explain in Part VI.) See instructions. All other Type III non-functionally integrated supporting organizations must complete Sections A through E.

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1	
2	Recoveries of prior-year distributions	2	
3	Other gross income (see instructions)	3	
4	Add lines 1 through 3	4	
5	Depreciation and depletion	5	
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6	
7	Other expenses (see instructions)	7	
8	<b>Adjusted Net Income</b> (subtract lines 5, 6, and 7 from line 4)	8	

Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):		
a	Average monthly value of securities	1a	
b	Average monthly cash balances	1b	
c	Fair market value of other non-exempt-use assets	1c	
d	<b>Total</b> (add lines 1a, 1b, and 1c)	1d	
e	Discount claimed for blockage or other factors (explain in detail in Part VI):		
2	Acquisition indebtedness applicable to non-exempt-use assets	2	
3	Subtract line 2 from line 1d	3	
4	Cash deemed held for exempt use. Enter 1-1/2% of line 3 (for greater amount, see instructions)	4	
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5	
6	Multiply line 5 by .035	6	
7	Recoveries of prior-year distributions	7	
8	<b>Minimum Asset Amount</b> (add line 7 to line 6)	8	

Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1	
2	Enter 85% of line 1	2	
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3	
4	Enter greater of line 2 or line 3	4	
5	Income tax imposed in prior year	5	
6	<b>Distributable Amount.</b> Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	6	

7  Check here if the current year is the organization's first as a non-functionally integrated Type III supporting organization (see instructions).

Orthopaedic Research and Education

Schedule A (Form 990 or 990-EZ) 2017 Foundation

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**Part V** Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued)

Section D - Distributions	Current Year
1 Amounts paid to supported organizations to accomplish exempt purposes	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI). See instructions.	
7 <b>Total annual distributions.</b> Add lines 1 through 6.	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI). See instructions.	
9 Distributable amount for 2017 from Section C, line 6	
10 Line 8 amount divided by line 9 amount	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2017	(iii) Distributable Amount for 2017
1 Distributable amount for 2017 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2017 (reasonable cause required- explain in Part VI). See instructions.			
3 Excess distributions carryover, if any, to 2017			
a			
b From 2013			
c From 2014			
d From 2015			
e From 2016			
f <b>Total</b> of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2017 distributable amount			
i Carryover from 2012 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from 3f.			
4 Distributions for 2017 from Section D, line 7: \$			
a Applied to underdistributions of prior years			
b Applied to 2017 distributable amount			
c Remainder. Subtract lines 4a and 4b from 4.			
5 Remaining underdistributions for years prior to 2017, if any. Subtract lines 3g and 4a from line 2. For result greater than zero, explain in Part VI. See instructions.			
6 Remaining underdistributions for 2017. Subtract lines 3h and 4b from line 1. For result greater than zero, explain in Part VI. See instructions.			
7 <b>Excess distributions carryover to 2018.</b> Add lines 3j and 4c.			
8 Breakdown of line 7:			
a Excess from 2013			
b Excess from 2014			
c Excess from 2015			
d Excess from 2016			
e Excess from 2017			

Schedule A (Form 990 or 990-EZ) 2017

Orthopaedic Research and Education

**Part VI Supplemental Information.** Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; Part III, line 12; Part IV, Section A, lines 1, 2, 3b, 3c, 4b, 4c, 5a, 6, 9a, 9b, 9c, 11a, 11b, and 11c; Part IV, Section B, lines 1 and 2; Part IV, Section C, line 1; Part IV, Section D, lines 2 and 3; Part IV, Section E, lines 1c, 2a, 2b, 3a, and 3b; Part V, line 1; Part V, Section B, line 1e; Part V, Section D, lines 5, 6, and 8; and Part V, Section E, lines 2, 5, and 6. Also complete this part for any additional information.  
(See instructions.)

Schedule A, Part II

The 2017 results are for six months ended June 30, 2017.

Multiple horizontal lines for supplemental information.

**Schedule B**

(Form 990, 990-EZ, or 990-PF)

Department of the Treasury  
Internal Revenue Service

**Schedule of Contributors**

- ▶ Attach to Form 990, Form 990-EZ, or Form 990-PF.
- ▶ Go to [www.irs.gov/Form990](http://www.irs.gov/Form990) for the latest information.

OMB No. 1545-0047

**2017**

Name of the organization

Orthopaedic Research and Education  
Foundation

Employer identification number

36-6009467

Organization type (check one):

Filers of:

Section:

Form 990 or 990-EZ

501(c)( 3 ) (enter number) organization

4947(a)(1) nonexempt charitable trust **not** treated as a private foundation

527 political organization

Form 990-PF

501(c)(3) exempt private foundation

4947(a)(1) nonexempt charitable trust treated as a private foundation

501(c)(3) taxable private foundation

Check if your organization is covered by the **General Rule** or a **Special Rule**.

**Note:** Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions.

**General Rule**

For an organization filing Form 990, 990-EZ, or 990-PF that received, during the year, contributions totaling \$5,000 or more (in money or property) from any one contributor. Complete Parts I and II. See instructions for determining a contributor's total contributions.

**Special Rules**

For an organization described in section 501(c)(3) filing Form 990 or 990-EZ that met the 33 1/3% support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990 or 990-EZ), Part II, line 13, 16a, or 16b, and that received from any one contributor, during the year, total contributions of the greater of (1) \$5,000; or (2) 2% of the amount on (i) Form 990, Part VIII, line 1h; or (ii) Form 990-EZ, line 1. Complete Parts I and II.

For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, total contributions of more than \$1,000 *exclusively* for religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals. Complete Parts I, II, and III.

For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions *exclusively* for religious, charitable, etc., purposes, but no such contributions totaled more than \$1,000. If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc., purpose. Don't complete any of the parts unless the **General Rule** applies to this organization because it received *nonexclusively* religious, charitable, etc., contributions totaling \$5,000 or more during the year ..... ▶ \$ \_\_\_\_\_

**Caution:** An organization that isn't covered by the General Rule and/or the Special Rules doesn't file Schedule B (Form 990, 990-EZ, or 990-PF), but it **must** answer "No" on Part IV, line 2, of its Form 990; or check the box on line H of its Form 990-EZ or on its Form 990-PF, Part I, line 2, to certify that it doesn't meet the filing requirements of Schedule B (Form 990, 990-EZ, or 990-PF).

LHA For Paperwork Reduction Act Notice, see the instructions for Form 990, 990-EZ, or 990-PF. Schedule B (Form 990, 990-EZ, or 990-PF) (2017)

Name of organization  
**Orthopaedic Research and Education  
 Foundation**

Employer identification number

**36-6009467**

**Part I Contributors** (see instructions). Use duplicate copies of Part I if additional space is needed.

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
1	Zimmer Holdings 1800 W. Center Street Warsaw, IN 46580	\$ 100,000.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
2	Gregory Carlson 1120 W La Veta Ave Ste 300 Orange, CA 92868	\$ 50,000.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
3	William McMaster 3032 Capri Lane Costa Mesa, CA 92626	\$ 50,000.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
4	Jorge Galante 7220 E State, Hwy 67 Clinton, WI 53525	\$ 975,000.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
5	MTF Biologics 125 May Street, Suite 300 Edison, NJ 08837	\$ 140,000.	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)

Name of organization <b>Orthopaedic Research and Education Foundation</b>	Employer identification number <b>36-6009467</b>
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**Part II Noncash Property** (see instructions). Use duplicate copies of Part II if additional space is needed.

(a) No. from Part I	(b) Description of noncash property given	(c) FMV (or estimate) (See instructions.)	(d) Date received
_____		\$ _____	_____
_____		\$ _____	_____
_____		\$ _____	_____
_____		\$ _____	_____
_____		\$ _____	_____
_____		\$ _____	_____
_____		\$ _____	_____



Name of organization  
**Orthopaedic Research and Education Foundation**

Employer identification number

**36-6009467**

**Part III**

*Exclusively* religious, charitable, etc., contributions to organizations described in section 501(c)(7), (8), or (10) that total more than \$1,000 for the year from any one contributor. Complete columns (a) through (e) and the following line entry. For organizations completing Part III, enter the total of exclusively religious, charitable, etc., contributions of \$1,000 or less for the year. (Enter this info. once.) ▶ \$ \_\_\_\_\_  
Use duplicate copies of Part III if additional space is needed.

(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held

(e) Transfer of gift

Transferee's name, address, and ZIP + 4

Relationship of transferor to transferee


(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held

(e) Transfer of gift

Transferee's name, address, and ZIP + 4

Relationship of transferor to transferee


(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held

(e) Transfer of gift

Transferee's name, address, and ZIP + 4

Relationship of transferor to transferee


(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held

(e) Transfer of gift

Transferee's name, address, and ZIP + 4

Relationship of transferor to transferee


SCHEDULE D (Form 990)

Supplemental Financial Statements

OMB No. 1545-0047

2017

Open to Public Inspection

Department of the Treasury Internal Revenue Service

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.

Go to www.irs.gov/Form990 for instructions and the latest information.

Name of the organization Orthopaedic Research and Education Foundation

Employer identification number 36-6009467

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.

Table with 3 columns: Question, (a) Donor advised funds, (b) Funds and other accounts. Rows include total number at end of year, aggregate value of contributions, grants, and end of year, and questions about donor notification.

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

Form for Part II Conservation Easements. Includes questions about purpose of easements, number of easements, and monitoring expenses.

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.

Form for Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets. Includes questions about reporting requirements and amounts.

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule D (Form 990) 2017

**Orthopaedic Research and Education  
Foundation**

**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	
d Additions during the year	
e Distributions during the year	
f Ending balance	

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	7,306,263.	12,835,718.	22,513,401.	26,167,534.	25,563,123.
b Contributions	10,723.	48,562.	62,327.	103,477.	1,023,628.
c Net investment earnings, gains, and losses	778,493.	953,270.	-2,148,068.	535,123.	2,442,972.
d Grants or scholarships	81,144.	6,230,393.	7,564,692.	260,879.	
e Other expenditures for facilities and programs		271,935.	27,250.	4,031,854.	2,862,189.
f Administrative expenses		28,959.			
g End of year balance	8,014,335.	7,306,263.	12,835,718.	22,513,401.	26,167,534.

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  100.00 %
- 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:

- (i) unrelated organizations
- (ii) related organizations

	Yes	No
3a(i)	X	
3a(ii)		X
3b		

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				
b Buildings				
c Leasehold improvements		50,447.	12,103.	38,344.
d Equipment		188,581.	123,908.	64,673.
e Other		51,219.	23,049.	28,170.
<b>Total.</b> Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10c.)				131,187.

**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		
(2) Closely-held equity interests		
(3) Other		
(A)		
(B)		
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
<b>Total.</b> (Col. (b) must equal Form 990, Part X, col. (B) line 12.)		

**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)		
<b>Total.</b> (Col. (b) must equal Form 990, Part X, col. (B) line 13.)		

**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) Charitable Remainder Trust Receivable	2,765,159.
(2) Cash Surrender Value of Life Insurance	2,231,684.
(3) Other receivables	16,880.
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
<b>Total.</b> (Column (b) must equal Form 990, Part X, col. (B) line 15.)	5,013,723.

**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	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
<b>Total.</b> (Column (b) must equal Form 990, Part X, col. (B) line 25.)	

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

**Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return.**

Complete if the organization answered "Yes" on Form 990, Part IV, line 12a.

1	Total revenue, gains, and other support per audited financial statements		1	3,001,257.
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:			
a	Net unrealized gains (losses) on investments	2a	780,049.	
b	Donated services and use of facilities	2b		
c	Recoveries of prior year grants	2c		
d	Other (Describe in Part XIII.)	2d	113,931.	
e	Add lines 2a through 2d	2e	893,980.	
3	Subtract line 2e from line 1	3	2,107,277.	
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1:			
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a		
b	Other (Describe in Part XIII.)	4b		
c	Add lines 4a and 4b	4c	0.	
5	Total revenue. Add lines 3 and 4c. (This must equal Form 990, Part I, line 12.)	5	2,107,277.	

**Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.**

Complete if the organization answered "Yes" on Form 990, Part IV, line 12a.

1	Total expenses and losses per audited financial statements		1	3,088,173.
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:			
a	Donated services and use of facilities	2a		
b	Prior year adjustments	2b		
c	Other losses	2c		
d	Other (Describe in Part XIII.)	2d	70,089.	
e	Add lines 2a through 2d	2e	70,089.	
3	Subtract line 2e from line 1	3	3,018,084.	
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:			
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a		
b	Other (Describe in Part XIII.)	4b		
c	Add lines 4a and 4b	4c	0.	
5	Total expenses. Add lines 3 and 4c. (This must equal Form 990, Part I, line 18.)	5	3,018,084.	

**Part XIII Supplemental Information.**

Provide the descriptions required for Part II, lines 3, 5, and 9; Part III, lines 1a and 4; Part IV, lines 1b and 2b; Part V, line 4; Part X, line 2; Part XI, lines 2d and 4b; and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

**Part IV, line 2b:**

On behalf of other orthopaedic organizations, the Foundation accepts contributions for which it performs recordkeeping and provides grants requested by those organizations.

**Part V, line 4:**

The Endowment Funds are invested in a well-diversified portfolio and disbursements are made as outlined in an endowment spending policy to support the Foundation's mission.

**Part X, Line 2:**

FIN48 Note from Audited Financial Statements

**Part XIII** Supplemental Information (continued)

The Foundation, an Illinois nonprofit corporation, is exempt from income taxes under Section 501(c)(3) of the Internal Revenue Code and applicable state law, except for taxes pertaining to unrelated business income, if any. The Foundation's annual information and income tax returns filed with the federal and state governments are subject to examination generally for three years after they are filed.

The Foundation has adopted the requirements for accounting for uncertain tax positions and management has determined that the Foundation was not required to record a liability related to uncertain tax positions as of June 30, 2017 and December 31, 2016.

Part XI, Line 2d - Other Adjustments:

Change in cash surrender value of life insurance policies	75,247.
Change in charitable remainder trust receivable	38,684.
Total to Schedule D, Part XI, Line 2d	113,931.

Part XII, Line 2d - Other Adjustments:

Orthopaedic partner endowment distribution	70,089.
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**SCHEDULE F  
(Form 990)**

**Statement of Activities Outside the United States**

OMB No. 1545-0047

**2017**

Department of the Treasury  
Internal Revenue Service

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 14b, 15, or 16.

▶ Attach to Form 990.

▶ Go to [www.irs.gov/Form990](http://www.irs.gov/Form990) for instructions and the latest information.

Open to Public  
Inspection

Name of the organization  
**Orthopaedic Research and Education  
Foundation**

Employer identification number  
**36-6009467**

**Part I General Information on Activities Outside the United States.** Complete if the organization answered "Yes" on Form 990, Part IV, line 14b.

**1 For grantmakers.** Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? .....  Yes  No

**2 For grantmakers.** Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States.

**3 Activities per Region.** (The following Part I, line 3 table can be duplicated if additional space is needed.)

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in the region	(d) Activities conducted in the region (by type) (such as, fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in the region	(f) Total expenditures for and investments in the region
Europe (Including Iceland & Greenland)	0	0	Research award-Arthroplasty Implant Registries Over the Past Five Decades		20,000.
<b>3 a</b> Sub-total .....	0	0			20,000.
<b>b</b> Total from continuation sheets to Part I .....	0	0			0.
<b>c Totals</b> (add lines 3a and 3b) .....	0	0			20,000.

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule F (Form 990) 2017

Orthopaedic Research and Education Foundation

36-6009467

Schedule F (Form 990) 2017

**Part II** Grants and Other Assistance to Organizations or Entities Outside the United States. Complete if the organization answered "Yes" on Form 990, Part IV, line 15, for any recipient who received more than \$5,000. Part II can be duplicated if additional space is needed.

1 (a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of noncash assistance	(h) Description of noncash assistance	(i) Method of valuation (book, FMV, appraisal, other)

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter

3 Enter total number of other organizations or entities



**Orthopaedic Research and Education  
Foundation**

**Part III Grants and Other Assistance to Individuals Outside the United States.** Complete if the organization answered "Yes" on Form 990, Part IV, line 16.

Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Region	(c) Number of recipients	(d) Amount of cash grant	(e) Manner of cash disbursement	(f) Amount of noncash assistance	(g) Description of noncash assistance	(h) Method of valuation (book, FMV, appraisal, other)

**Part IV Foreign Forms**

- 1 Was the organization a U.S. transferor of property to a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 926, Return by a U.S. Transferor of Property to a Foreign Corporation (see Instructions for Form 926)* .....  Yes  No
  
- 2 Did the organization have an interest in a foreign trust during the tax year? *If "Yes," the organization may be required to separately file Form 3520, Annual Return To Report Transactions With Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A; don't file with Form 990)*.....  Yes  No
  
- 3 Did the organization have an ownership interest in a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 5471, Information Return of U.S. Persons With Respect To Certain Foreign Corporations (see Instructions for Form 5471)* .....  Yes  No
  
- 4 Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? *If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund (see Instructions for Form 8621)* .....  Yes  No
  
- 5 Did the organization have an ownership interest in a foreign partnership during the tax year? *If "Yes," the organization may be required to file Form 8865, Return of U.S. Persons With Respect to Certain Foreign Partnerships (see Instructions for Form 8865)* .....  Yes  No
  
- 6 Did the organization have any operations in or related to any boycotting countries during the tax year? *If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form 5713; don't file with Form 990)* .....  Yes  No

**Part V Supplemental Information**

Provide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method; amounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting method); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide any additional information. See instructions.

Lined area for supplemental information.

**SCHEDULE I  
(Form 990)**

Department of the Treasury  
Internal Revenue Service

**Grants and Other Assistance to Organizations,  
Governments, and Individuals in the United States**  
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

▶ Attach to Form 990.  
▶ Go to [www.irs.gov/Form990](http://www.irs.gov/Form990) for the latest information.

OMB No. 1545-0047

**2017**

Open to Public  
Inspection

Employer identification number  
**36-6009467**

Name of the organization **Orthopaedic Research and Education  
Foundation**

**Part I General Information on Grants and Assistance**

- 1** Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance?  Yes  No
- 2** Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

**Part II Grants and Other Assistance to Domestic Organizations and Domestic Governments.** Complete if the organization answered "Yes" on Form 990, Part IV, line 21, for any recipient that received more than \$5,000. Part II can be duplicated if additional space is needed.

<b>1 (a)</b> Name and address of organization or government	<b>(b)</b> EIN	<b>(c)</b> IRC section (if applicable)	<b>(d)</b> Amount of cash grant	<b>(e)</b> Amount of non-cash assistance	<b>(f)</b> Method of valuation (book, FMV, appraisal, other)	<b>(g)</b> Description of non-cash assistance	<b>(h)</b> Purpose of grant or assistance
University of Iowa 2 Gilmore Hall Iowa City, IA 52242	42-6004813	501(c)(3)	209,804.	0.			Joint Contact Stress as a Tool for Clinical Decision Making in PAO
Brigham and Women's Hospital 75 Francis Street Boston, MA 02115	04-2312909	501(c)(3)	150,000.	0.			Validation of a Novel Predictive Score for Patients with Spinal Metastases
American Academy of Orthopaedic Surgeons - 9400 W. Higgins Road - Rosemont, IL 60018	36-2110592	501(c)(3)	5,000.	0.			Scholar development program
University of Rochester 518 Hylan Building, Box 270140 Rochester, NY 14627	16-0743209	501(c)(3)	98,000.	0.			Improving Mitochondrial Function to Accelerate Bone Graft Healing
Boston University 881 Commonwealth Avenue Boston, MA 02115	04-3354360	501(c)(3)	50,000.	0.			The Mechanistic Role of Subchondral Bone Cysts and Bone Marrow Lesions
Washington University One Bookings Drive St. Louis, MO 63130	43-0653611	501(c)(3)	50,000.	0.			PT vs. a Home Program for Reverse Shoulder Arthroplasty: A Randomized Trial

**2** Enter total number of section 501(c)(3) and government organizations listed in the line 1 table **36.**

**3** Enter total number of other organizations listed in the line 1 table **0.**

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990. **Schedule I (Form 990) (2017)**

Orthopaedic Research and Education  
Foundation

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Schedule I (Form 990) Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II), Part II

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
New York University School of Medicine - One Park Avenue, 6th Floor - New York, NY 10016	13-5562308	501(c)(3)	236,150.	0.			The Role of Aging and Inflammation on Skeletal Stem Cell Function
University of Iowa 2 Gilmore Hall Iowa City, IA 52242	42-6004813	501(c)(3)	100,250.	0.			Improving Multi-Institutional Collaboration by Creating a Sarcoma Registry
University of California 640 Charles East Young Drive Los Angeles, CA 90095	95-6006143	501(c)(3)	20,000.	0.			Modifying and Delivering Antimicrobials to Prevent Implant Infections
University of California 3333 California Street, Suite 315 San Francisco, CA 94143	94-6036493	501(c)(3)	50,000.	0.			The Role of TGF in Regulating Perilacunar Remodeling in Diabetes
University of California 3333 California Street San Francisco, CA 94143	94-6036493	501(c)(3)	30,000.	0.			Intramedullary K-wire versus Flexible Nail for Pediatric Femur Fractures
Thomas Jefferson University 125 S. 9th Street Philadelphia, PA 19107	23-1352651	501(c)(3)	50,000.	0.			Time-Dependent Connective Tissue Regeneration
University of Pennsylvania 3451 Walnut St., Rm. P-221 Philadelphia, PA 19104	19-1046205	501(c)(3)	20,000.	0.			The Effect of Nicotine on Healing in a Rat Achilles Tendon Model
Rush University Medical Center 1653 West Congress Parkway Chicago, IL 60612	36-2174823	501(c)(3)	19,000.	0.			The Influence of Amniotic Membrane and BMAC on Osteoarthritis
Wake Forest University Medical Center Blvd Winston-Salem, NC 27157	22-3849199	501(c)(3)	19,000.	0.			The Healing Potential of a Decellularized, Deoxidized Porcine Bone Scaffold

Schedule I (Form 990)

Orthopaedic Research and Education  
Foundation

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Schedule I (Form 990) **Part II** Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II).

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
Washington University One Bookings Drive St. Louis, MO 63130	43-0653611	501(c)(3)	20,000.	0.			Prospective Study of Biomarkers of Intra-Articular Hip Damage in SCFE
Case Western Reserve University 10900 Euclid Avenue Cleveland, OH 44106	34-1018992	501(c)(3)	19,056.	0.			The Role of Macrophage Toll-Like Receptors in Particle-Induced Osteolysis
Hospital for Special Surgery 535 East 70th Street New York, NY 10021	13-1624135	501(c)(3)	20,000.	0.			Use of Activated Endothelial Cells for the Treatment of Patellar Tendinosis
University of Connecticut 263 Farmington Avenue Farmington, CT 06030	52-1725543	501(c)(3)	20,000.	0.			Novel Source for Cell Augmentation of Murine Patellar Tendon Defect
Hospital for Special Surgery 535 East 70th Street New York, NY 10021	13-1624135	501(c)(3)	5,000.	0.			Does Lumbar Spine Alignment Influence Femoroacetabular Impingement outcome?
University of Michigan 4414 Kresge III-200 Zina Pitcher Ann Arbor, MI 48109	38-6006309	501(c)(3)	5,000.	0.			Epigenetic Programming of Satellite Cells from the Rotator Cuff
Hospital for Special Surgery 535 East 70th Street New York, NY 10021	13-1624135	501(c)(3)	5,000.	0.			Evaluating Inflammatory Markers in a Mouse Model of Shoulder Impingement
Northwestern University 710 N. Lake Street Chicago, IL 60611	36-2167817	501(c)(3)	5,000.	0.			Biomechanical Analysis of Partial Extensor Tendon Lacerations Over Metacarp
Vanderbilt University Medical Center - 3319 West End Avenue - Nashville, TN 37203	16-2047682	501(c)(3)	5,000.	0.			Bisphosphonates Prevent Heterotopic Ossification in the Upper Extremity

Schedule I (Form 990)

Orthopaedic Research and Education  
Foundation

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Page 1

Schedule I (Form 990) **Part II** Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II.)

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
Cedars-Sinai Medical Center 8700 Beverly Boulevard, 65-Wil, Sui Los Angeles, CA 90048	95-1644600	501(c)(3)	5,000.	0.			Knot of Henry Variation and the Effect on Plantar Flexion Strength
Vanderbilt University Medical Center - 3319 West End Avenue - Nashville, TN 37203	16-2047682	501(c)(3)	5,000.	0.			Alpha-defensin: Predictor of Successful Revision Total Joint Arthroplasty
University of Iowa 2 Gilmore Hall Iowa City, IA 52242	42-6004813	501(c)(3)	5,000.	0.			Biomechanical Considerations of Morbid Obesity in Total Joint Arthroplasty
University of Massachusetts 55 Lake Avenue North Worcester, MA 01655	04-3167352	501(c)(3)	5,000.	0.			Defining Success in Perioperative Care Pathways for Hip Fracture Patients
New York University, Langone Medical Center - One Park Avenue, 6th Floor - New York, NY 10016	13-5562308	501(c)(3)	5,000.	0.			Rosiglitazone and Fracture Healing
University of California 9500 Gilman Drive LaJolla, CA 92093	94-3067788	501(c)(3)	5,000.	0.			The Interaction of Metabolic Syndrome and Obesity on Hip Osteoarthritis
Johns Hopkins University 733 N. Broadway, Suite 117 Baltimore, MD 21205	52-0595110	501(c)(3)	5,000.	0.			Administration of Soluble Activin-Receptor may Attenuate Radiation Fibrosis
University of California 3333 California Street San Francisco, CA 94143	94-6036493	501(c)(3)	5,000.	0.			The 'Delta Well-Leg' Compartment Pressure
Columbia University 630 West 168th Street New York, NY 10032	13-5598093	501(c)(3)	5,000.	0.			Biomechanical Comparison of Subacromial Balloon Spacers

Schedule I (Form 990)

Orthopaedic Research and Education  
Foundation

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Schedule I (Form 990)

Part II Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II.)

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
University of California 9500 Gilman Drive LaJolla, CA 92093	94-3067788	501(c)(3)	5,000.	0.			Muscle Degeneration and Intervention in Chronic Rabbit Supraspinatus Injury
Wake Forest University Medical Center Blvd Winston-Salem, NC 27157	22-3849199	501(c)(3)	5,000.	0.			Reduction of Radiation-Induced Bone Loss by Vitamin C
Orthopaedic Research Society 9400 W. Higgins Road Rosemont, IL 60018	36-3180285	501(c)(3)	5,000.	0.			New investigator workshop

Schedule I (Form 990)



**Orthopaedic Research and Education  
Foundation**

36-6009467

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Schedule I (Form 990) (2017)

**Part III** Grants and Other Assistance to Domestic Individuals. Complete if the organization answered "Yes" on Form 990, Part IV, line 22.  
Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of non-cash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of non-cash assistance

**Part IV** Supplemental Information. Provide the information required in Part I, line 2; Part III, column (b); and any other additional information.

**Part I, Line 2:**

The Research Grants Committee is responsible for allocating research funding to advance research in the specialty of orthopaedics and is empowered to establish criteria for the allocation and distribution of philanthropic funds to advance research in the specialty of orthopaedics, implement and conduct independent peer review process to select research funding recipients, prepare and distribute necessary promotional information and application forms for research grants and awards and to accept and allocate or decline to allocate, at its sole and absolute

**Part IV** Supplemental Information

discretion, grants and awards for research.

One-year grant recipients receive 50% of the funds to start, then 40% after a six-month financial report is received. A final scientific and lay report within 60 days after the grant ends along with a final financial report is required. Once OREF has the final reports the remaining 10% of the funds are released.

One-time award/educational grant/lectureship grants receive full payment after they are approved. Documentation is in the file for lectureships, educational programs and awards.

Two or three-year grants are paid and spread over the term of the grant. 10% is withheld until all of the reports are received. Multi-year grant recipients submit annual scientific reports which are then reviewed by the original peer review committee member.

**SCHEDULE O**  
(Form 990 or 990-EZ)

Department of the Treasury  
Internal Revenue Service

**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.

▶ Go to [www.irs.gov/Form990](http://www.irs.gov/Form990) for the latest information.

OMB No. 1545-0047

**2017**

Open to Public  
Inspection

Name of the organization

Orthopaedic Research and Education  
Foundation

Employer identification number  
36-6009467

Form 990, Part VI, Section B, line 11b:

The Finance Committee reviewed the Form 990 and it was provided to the Board of Directors for review and approval prior to filing.

Form 990, Part VI, Section B, Line 12c:

All Trustees annual conflict of interest statements are on file with the OREF CEO. The CEO reviews meeting agendas prior to the meeting and notifies leadership of any issues that need to be addressed before the discussions take place. Any individual who gives notice of a potential conflict is to abstain from participation in discussions related to that item.

Form 990, Part VI, Section B, Line 15:

The Foundation has a formal process to determine the compensation of its CEO. The process includes the following:

- 1) Review and approval by the Board of Trustees or Compensation Committee;
- 2) Use of comparable compensation data;
- 3) Contemporaneous documentation and record keeping.

Form 990, Part VI, Line 17, List of States receiving copy of Form 990:

AK, AL, AR, AZ, CA, CT, DC, DE, FL, GA, IL, IN, KS, KY, LA, MA, MD, ME, MI, MS, MN, MO, MT, NC, ND, NE, NH, NM, NY, OH, OK, OR, PA, RI, SC, SD, TN, UT, VA, WA, WI, WV, WY

Form 990, Part VI, Section C, Line 19:

The Foundation made its governing documents, conflict of interest policy, and financial statements available to the public upon request for the period of disclosure set forth in IRC Section 6104(d).

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990 or 990-EZ.

Schedule O (Form 990 or 990-EZ) (2017)

732211 09-07-17

Name of the organization Orthopaedic Research and Education Foundation	Employer identification number 36-6009467
--	--

Form 990, Part XI, line 9, Changes in Net Assets:

Orthopaedic partner endowment distribution	-70,089.
Change in cash surrender value of life insurance policies	75,247.
Change in charitable remainder trust receivable	38,684.
Total to Form 990, Part XI, Line 9	43,842.

**SCHEDULE R  
(Form 990)**

**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.

**2017**  
Open to Public Inspection

Department of the Treasury Internal Revenue Service  
Name of the organization **Orthopaedic Research and Education Foundation**  
Employer identification number **36-6009467**  
▶ Go to [www.irs.gov/Form990](http://www.irs.gov/Form990) for instructions and the latest information.

**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

**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

Orthopaedic Research and Education  
Foundation

Schedule R (Form 990) 2017 **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	

**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
Charitable Remainder Trusts	Charitable trusts	IL		TRUST					X

Orthopaedic Research and Education Foundation

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?

	Yes	No
a Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity		X
b Gift, grant, or capital contribution to related organization(s)		X
c Gift, grant, or capital contribution from related organization(s)		X
d Loans or loan guarantees to or for related organization(s)		X
e Loans or loan guarantees by related organization(s)		X
f Dividends from related organization(s)		X
g Sale of assets to related organization(s)		X
h Purchase of assets from related organization(s)		X
i Exchange of assets with related organization(s)		X
j Lease of facilities, equipment, or other assets to related organization(s)		X
k Lease of facilities, equipment, or other assets from related organization(s)		X
l Performance of services or membership or fundraising solicitations for related organization(s)		X
m Performance of services or membership or fundraising solicitations by related organization(s)		X
n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)		X
o Sharing of paid employees with related organization(s)		X
p Reimbursement paid to related organization(s) for expenses		X
q Reimbursement paid by related organization(s) for expenses		X
r Other transfer of cash or property to related organization(s)		X
s Other transfer of cash or property from related organization(s)		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				

# Orthopaedic Research and Education Foundation

36 - 6009467 Page 4

Schedule R (Form 990) 2017

**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) <small>All</small> all partners sec. 501(c)(3) orgs.?		(f) Share of total income	(g) Share of end-of-year assets	(h) <small>Dispropor-</small> tionate 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	



# Application for Automatic Extension of Time To File an Exempt Organization Return

Department of the Treasury  
Internal Revenue Service

▶ **File a separate application for each return.**  
▶ **Information about Form 8868 and its instructions is at [www.irs.gov/form8868](http://www.irs.gov/form8868).**

**Electronic filing (e-file).** You can electronically file Form 8868 to request a 6-month automatic extension of time to file any of the forms listed below with the exception of Form 8870, Information Return for Transfers Associated With Certain Personal Benefit Contracts, for which an extension request must be sent to the IRS in paper format (see instructions). For more details on the electronic filing of this form, visit [www.irs.gov/efile](http://www.irs.gov/efile), click on Charities & Non-Profits, and click on e-file for Charities and Non-Profits.

**Automatic 6-Month Extension of Time.** Only submit original (no copies needed).

All corporations required to file an income tax return other than Form 990-T (including 1120-C filers), partnerships, REMICs, and trusts must use Form 7004 to request an extension of time to file income tax returns.

		<b>Enter filer's identifying number</b>
<b>Type or print</b>	Name of exempt organization or other filer, see instructions. <b>Orthopaedic Research and Education Foundation</b>	Employer identification number (EIN) or  <b>36-6009467</b>
File by the due date for filing your return. See instructions.	Number, street, and room or suite no. If a P.O. box, see instructions. <b>9400 W. Higgins Road, No. 215</b>	Social security number (SSN)
	City, town or post office, state, and ZIP code. For a foreign address, see instructions. <b>Rosemont, IL 60018</b>	

Enter the Return Code for the return that this application is for (file a separate application for each return) ..... **0 1**

Application Is For	Return Code	Application Is For	Return Code
Form 990 or Form 990-EZ	01	Form 990-T (corporation)	07
Form 990-BL	02	Form 1041-A	08
Form 4720 (individual)	03	Form 4720 (other than individual)	09
Form 990-PF	04	Form 5227	10
Form 990-T (sec. 401(a) or 408(a) trust)	05	Form 6069	11
Form 990-T (trust other than above)	06	Form 8870	12

**Rhonda Dirr**

- The books are in the care of ▶ **9400 W. Higgins Road - Rosemont, IL 60018**  
Telephone No. ▶ **847-698-9980** Fax No. ▶ \_\_\_\_\_
- If the organization does not have an office or place of business in the United States, check this box
- If this is for a Group Return, enter the organization's four digit Group Exemption Number (GEN) \_\_\_\_\_. If this is for the whole group, check this box . If it is for part of the group, check this box  and attach a list with the names and EINs of all members the extension is for.

**1** I request an automatic 6-month extension of time until **May 15, 2018**, to file the exempt organization return for the organization named above. The extension is for the organization's return for:

▶  calendar year \_\_\_\_\_ or  
▶  tax year beginning **JAN 1, 2017**, and ending **JUN 30, 2017**

**2** If the tax year entered in line 1 is for less than 12 months, check reason:  Initial return  Final return  
 Change in accounting period

<b>3a</b> If this application is for Forms 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any nonrefundable credits. See instructions.	<b>3a</b>	\$	0.
<b>b</b> If this application is for Forms 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit.	<b>3b</b>	\$	0.
<b>c</b> <b>Balance due.</b> Subtract line 3b from line 3a. Include your payment with this form, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions.	<b>3c</b>	\$	0.

**Caution:** If you are going to make an electronic funds withdrawal (direct debit) with this Form 8868, see Form 8453-EO and Form 8879-EO for payment instructions.

LHA For Privacy Act and Paperwork Reduction Act Notice, see instructions.