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UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 13F

OMB APPROVAL

OMB Number: 3235-0006
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FORM 13F COVER PAGE

Report for the Calendar Year or Quarter Ended: 12-31-2016

Check here if Amendment Amendment Number:

This Amendment (Check only one.): is a restatement.

adds new holdings entries.

Institutional Investment Manager Filing this Report:

Name: Symetra Financial CORP

Address: 777 108TH AVENUE NE

SUITE 1200

BELLEVUE, WA 98004-5135

Form 13F File
Number: 028-17231

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statements, schedules, lists, and tables, are considered integral parts of this form.

Person Signing this Report on Behalf of Reporting Manager:

Name: Mindi Work

Title: Vice President, Finance

Phone: 425-256-5529

Signature, Place, and Date of Signing:

/s/ Mindi Work Bellevue, WA 02-10-2017
[Signature] [City, State] [Date]

Report Type (Check only one.):

13F HOLDINGS REPORT. (Check here if all holdings of this reporting manager are reported in this report.)

13F NOTICE. (Check here if no holdings reported are in this report, and all holdings are reported by other reporting manager(s).)

13F COMBINATION REPORT. (Check here if a portion of the holdings for this reporting manager are reported in this report and a portion are reported by other reporting manager(s).)

**List of Other Managers Reporting for this Manager:
[If there are no entries in this list, omit this section.]**

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Number

028-17233 Symetra Life Insurance Co