

**Mortality and Cause of Death<sup>1,2</sup> among 1st incident DCIS or invasive breast cancer events<sup>3</sup> in the Sister Study:  
Data Release 7**

Cause of Death <sup>2</sup>	TOTAL		Confirmed		Not Yet Confirmed <sup>1</sup>	
	N	%	N	%	N	%
<b>Total Mortality</b>	198	100.0%	179	<b>90.4%</b>	19	<b>9.6%</b>
<b>Cancer</b>	142	<b>71.7%</b>	134	74.9%	8	42.1%
Breast cancer	95	48.0%	91	50.8%	4	21.1%
Reproductive Cancer	15	<b>7.6%</b>	14	7.8%	1	5.3%
Ovarian, fallopian tube and primary peritoneal cancer	10	5.1%	9	5.0%	1	5.3%
Endometrial/Uterine cancer	4	2.0%	4	2.2%	0	0.0%
Other reproductive cancer	1	0.5%	1	0.6%	0	0.0%
Non-reproductive Cancer	23	<b>11.6%</b>	20	11.2%	3	15.8%
Gastroesophageal cancer	3	1.5%	3	1.7%	0	0.0%
Colon and Rectum cancer	1	0.5%	1	0.6%	0	0.0%
Liver cancer	2	1.0%	1	0.6%	1	5.3%
Gallbladder and biliary tract cancer	0	0.0%	0	0.0%	0	0.0%
Pancreas cancer	1	0.5%	0	0.0%	1	5.3%
Bronchus or Lung cancer	10	5.1%	10	5.6%	0	0.0%
Melanoma	1	0.5%	1	0.6%	0	0.0%
Connective and soft tissue cancer, incl mesothelioma	1	0.5%	0	0.0%	1	5.3%
Kidney/Renal pelvis cancer	0	0.0%	0	0.0%	0	0.0%
Brain cancer	0	0.0%	0	0.0%	0	0.0%
Non-Hodgkin's lymphoma	0	0.0%	0	0.0%	0	0.0%
Multiple Myeloma	0	0.0%	0	0.0%	0	0.0%
Acute myeloblastic leukemia	1	0.5%	1	0.6%	0	0.0%
Other lymphoid, hematopoietic, or immunoproliferative malignancies	2	1.0%	2	1.1%	0	0.0%
Other non-reproductive cancers <sup>4</sup>	1	0.5%	1	0.6%	0	0.0%
Multiple Primaries and Primary Unspecified	9	<b>4.5%</b>	9	5.0%	0	0.0%
<b>Non-cancer disorders</b>	45	<b>22.7%</b>	44	24.6%	1	5.3%
Circulatory system disorders	18	<b>9.1%</b>	18	10.1%	0	0.0%
Myocardial infarction	1	0.5%	1	0.6%	0	0.0%
Chronic ischemic heart disease	6	3.0%	6	3.4%	0	0.0%
Cardiac arrest	1	0.5%	1	0.6%	0	0.0%
Heart failure	1	0.5%	1	0.6%	0	0.0%
Other circulatory	6	3.0%	6	3.4%	0	0.0%
Stroke	3	1.5%	3	1.7%	0	0.0%
Other and unspecified cardio- and cerebrovascular	0	0.0%	0	0.0%	0	0.0%
Respiratory disorders	4	<b>2.0%</b>	4	2.2%	0	0.0%
COPD	0	0.0%	0	0.0%	0	0.0%
Other respiratory disorders	4	2.0%	4	2.2%	0	0.0%
Dementia	4	<b>2.0%</b>	4	2.2%	0	0.0%
Alzheimer's	1	0.5%	1	0.6%	0	0.0%
Other dementias	3	1.5%	3	1.7%	0	0.0%
Nervous system disorders	2	<b>1.0%</b>	2	1.1%	0	0.0%
Parkinson's	0	0.0%	0	0.0%	0	0.0%
Motor neuron disease	0	0.0%	0	0.0%	0	0.0%

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	N	%	N	%	N	%
Other nervous system disorders	2	1.0%	2	1.1%	0	0.0%
Endocrine/Metabolic disorders	2	1.0%	2	1.1%	0	0.0%
Diabetes, Type II	1	0.5%	1	0.6%	0	0.0%
Other endocrine/metabolic	1	0.5%	1	0.6%	0	0.0%
Digestive disorders	3	1.5%	3	1.7%	0	0.0%
Urinary system disorders	3	1.5%	2	1.1%	1	5.3%
Infection and Parasitic diseases	5	2.5%	5	2.8%	0	0.0%
Other non-cancer disorders	4	2.0%	4	2.2%	0	0.0%
<b>Injury and other external causes</b>	1	0.5%	1	0.6%	0	0.0%
<b>Unknown cause</b>	10	5.1%	0	0.0%	10	52.6%

<sup>1</sup>Reported mortality as of 9/15/2017; NDI results including confirmation of vital status are current up to 12/31/2016; Priority for cause of death when cause is reported by multiple sources: Medical record>NDI>Death Certificate>Next of Kin

<sup>2</sup>For cause of mortality ICD10 codes see: [Mortality table ICD10 codes](#). Note: Ovarian cancer includes ovarian (C56), fallopian tube (C57.0) and primary peritoneal (C48 excl C48.0, D48.4);

<sup>3</sup>DCIS or invasive breast cancer (ignores LCIS); excludes those with prebaseline DCIS or invasive breast cancer.

<sup>4</sup>Excludes: Other lymphoid, hematopoietic, or immunoproliferative malignancies