

Michigan Behavioral Risk  
Factor Surveillance Survey  
Standard Tables:  
Genomics Questions

# Characteristics of Cancer Diagnoses, 2018

Characteristic	Weighted Percent	95% Confidence Interval
Ever told to have cancer <sup>a</sup>		
Yes	12.8	12.1 – 13.6
No	87.2	86.4 – 87.9
Age at first cancer diagnosis		
<20 years	2.4	1.5 – 3.8
20-29 years	5.1	3.8 – 6.8
30-39 years	9.8	8.1 – 11.9
40-49 years	16.3	14.1 – 18.7
50-59 years	27.8	25.0 – 30.8
60-69 years	23.4	20.9 – 26.1
70-79 years	13.0	10.9 – 15.4
80+ years	2.2	1.5 – 3.2
Type of cancer		
Breast	13.9	11.9 – 16.1
Endometrial	2.3	1.6 – 3.4
Ovarian	1.2	0.7 – 2.1
Colon	4.2	3.0 – 5.8
Denied insurance due to diagnosis <sup>b</sup>		
Yes	5.9	4.1 – 8.4
No	94.1	91.6 – 95.9

<sup>a</sup>“(Ever told) you had skin cancer?” and “(Ever told) you had any other types of cancer?” combined <sup>b</sup> Were you ever denied health insurance or life insurance because of cancer?

# Family History of Cancer, 2018

Characteristic	Weighted Percent	95% Confidence Interval
Number of relatives with breast cancer <sup>c</sup>		
None	64.6	61.5 – 67.6
One	20.6	18.2 – 23.2
Two	8.6	6.9 – 10.7
Three or more	6.2	4.8 – 7.9
Number of relatives with young* breast cancer <sup>d</sup>		
None	49.3	43.9 – 54.7
One	36.2	31.1 – 41.6
Two	10.4	7.5 – 14.1
Three or more	4.2	2.6 – 6.7
Number of Number of relatives with ovarian cancer <sup>e</sup>		
None	86.2	83.6 – 88.4
One	12.0	9.9 – 14.5
Two	~	~
Three or more	1.0	0.6 – 1.7
Immediate family member with colorectal cancer <sup>f</sup>		
Close relatives	8.6	7.5 – 9.9
No family members	91.0	89.7 – 92.1
Significant family history <sup>g</sup>		
Yes	3.1	2.6 – 3.5
No	96.9	96.5 – 97.4

<sup>c</sup> Thinking about your biological or “blood” relatives, including your parents, grandparents, siblings, aunts, uncles, children or grandchildren, how many of these relatives have been diagnosed with breast cancer? <sup>d</sup> How many of these relatives were diagnosed with breast cancer at or before the age of 50 years? <sup>e</sup> Now thinking about your female biological relatives, including your mother, sisters, aunts, grandmothers, daughters or granddaughters, how many have been diagnosed with ovarian cancer? <sup>f</sup> Have you or any of your parents, brothers, sisters, or children ever been diagnosed with colorectal cancer by a doctor, nurse, or other health professional? <sup>g</sup> Significant family history = yes if they meet any of the following: (1) At least one ovarian cancer in the family or (2) At least two breast cancers in the family with one being diagnosed at age 50 or younger.

\* Young breast cancer refers to cancer that is diagnosed at or under the age of 50.

# Genetic Counseling and Testing, 2018

Characteristic	Weighted Percent	95% Confidence Interval
Genetic counseling for breast or ovarian cancer <sup>h</sup>		
Yourself only	1.2	0.8 – 2.0
Yourself and at least one relative	2.5	1.7 – 3.6
At least one relative but not yourself	6.8	5.1 – 8.8
No one has received counseling	89.5	87.2 – 91.4
Likelihood of getting colorectal cancer genetic counseling <sup>i</sup>		
Very Likely	29.8	23.7 – 36.8
Somewhat Likely	30.1	23.7 – 37.4
Not Likely	40.1	33.2 – 47.3
Heard of genetic testing for colorectal cancer <sup>j</sup>		
Yes	20.1	15.3 – 25.9
No	79.9	74.1 – 84.7
Genetic testing for colorectal cancer <sup>k</sup>		
Yes	6.3	3.5 – 10.9
No	93.7	89.1 – 96.5
USPSTF genetic testing guidelines met <sup>l</sup>		
Yes	1.7	1.4 – 2.1
No	98.3	97.9 – 98.6

<sup>h</sup> Have you or any of your family members received genetic counseling for breast and ovarian cancer? <sup>i</sup> How likely would you be to have a genetic test to determine if the colorectal cancer in your family was inherited? <sup>j</sup> Have you heard of a genetic test that would determine if the colorectal cancer in your family was inherited? <sup>k</sup> To your knowledge, did you or any of your parents, brothers, sisters, or children have a genetic test to determine if the colorectal cancer in your family was inherited? <sup>l</sup> USPSTF = yes if they meet any of the following: (1) Has 3 or more first/second degree relatives with breast cancer, (2) Has 2 first degree relatives with breast cancer, one under age 50, (3) Has combination of breast and ovarian cancer in first/second degree relatives, or (4) Has 2 or more first/second degree relatives with ovarian cancer.