

Sister Study Colon and Rectal Cancer Outcomes (any type)<sup>1</sup> and Characteristics: Data Release 8.2<sup>2</sup>

|   | N          | % of cohort       |
|---|------------|-------------------|
| <b>Total Cases<sup>3</sup></b>                                | <b>519</b> | <b>1.0</b>        |
| <b>Timing, Behavior, and Site</b>                             | <b>N</b>   | <b>% of cases</b> |
| Baseline  | 204        | 39.3              |
| Invasive  | 202        | 38.9              |
| Appendix  | 7          | 1.3               |
| Colon <sup>4</sup>  | 23         | 4.4               |
| Rectosigmoid junction   | 2          | 0.4               |
| Rectum  | 10         | 1.9               |
| Unknown <sup>5</sup>  | 160        | 30.8              |
| <i>In situ</i>  | 2          | 0.4               |
| Colon   | 1          | 0.2               |
| Rectosigmoid junction   | 1          | 0.2               |
| Unknown timing <sup>6</sup> – Invasive – Unknown <sup>5</sup> | 18         | 3.5               |
| Incident  | 297        | 57.2              |
| Invasive  | 289        | 55.7              |
| Appendix  | 13         | 2.5               |
| Colon <sup>7</sup>  | 138        | 26.6              |
| Rectosigmoid junction   | 9          | 1.7               |
| Rectum  | 27         | 5.2               |
| Unknown <sup>5</sup>  | 102        | 19.7              |
| <i>In situ</i>  | 7          | 1.3               |
| Colon   | 4          | 0.8               |
| Rectum  | 3          | 0.6               |
| Uncertain behavior - Appendix                                 | 1          | 0.2               |
| <b>Incident</b>   | <b>297</b> |                   |
| <b>Race/Ethnicity<sup>8</sup></b>                             |            |                   |
| Non-Hispanic White  | 251        | 84.5              |
| Non-Hispanic Black  | 24         | 8.1               |
| Hispanic  | 14         | 4.7               |
| Other   | 8          | 2.7               |
| <b>Age (in years) at Diagnosis<sup>9</sup></b>                |            |                   |
| Under 50  | 14         | 4.7               |
| 50-64   | 128        | 43.1              |
| 65 and older  | 155        | 52.2              |
| <b>Diagnosis Confirmation<sup>10</sup></b>                    |            |                   |
| Medical   | 161        | 54.2              |
| NDI Plus or death certificate only                            | 21         | 7.1               |
| None  | 115        | 38.7              |

| Characteristic                         | N          | %    |
|--|------------|------|
| <b>Incident – Medically Confirmed</b>  | <b>161</b> |      |
| <b>Stage at Diagnosis<sup>11</sup></b> |            |      |
| 0                                      | 7          | 4.9  |
| I                                      | 57         | 39.6 |
| II                                     | 35         | 24.3 |
| III                                    | 38         | 26.4 |
| IV                                     | 7          | 4.9  |
| Missing, cannot stage                  | 17         |      |

<sup>1</sup> Cancer events are defined by the following ICD10 cancer codes: invasive colon (including appendix) (C18), invasive rectosigmoid junction (C19), invasive rectum (C20), *in situ* colon (D01.0), *in situ* rectosigmoid junction (D01.1), *in situ* rectum (D01.2), uncertain behavior of appendix (D37.3), uncertain behavior of colon (D37.4), uncertain behavior of rectum (D37.5). Other ICD10 cancer codes that may be used when colon or rectum is indicated as one of the favored primary sites: invasive intestine (C26.0), invasive digestive organ (C26.9), invasive unspecified site (C80), *in situ* intestine (D01.4), *in situ* digestive organ (D01.9), uncertain behavior of digestive organ (D37.8, D37.9), unspecified behavior of digestive organ (D49.0).

<sup>2</sup> Data release 8.2 includes outcomes from follow-up phases that closed on or before 9/23/2018

<sup>3</sup> Excludes cancer diagnoses where colon or rectal site of origin could not be ruled out, but neither is the favored site [n=8].

<sup>4</sup> Colon sites include: Cecum [n=4]; Ascending [n=4]; Splenic flexure [n=1]; Descending [n=2]; Sigmoid [n=6]; Overlapping sites [n=1]; Not specified [n=5]

<sup>5</sup> Unknown site generally includes reports of colon or rectum, with the following exceptions: baseline includes unspecified intestine [n=5] and rectum or anus [n=2]; incident includes unspecified intestine [n=2], rectum or anus [n=2], multiple sites (transverse colon and rectum) [n=1]; and report of colon with other site(s) possible [n=1]

<sup>6</sup> Unknown timing represents cases that are unknown if diagnosis at or prior to baseline vs. post-baseline (i.e. incident case)

<sup>7</sup> Colon sites include: Cecum [n=34]; Ascending [n=29]; Transverse [n=12]; Descending [n=5]; Sigmoid [n=20]; Hepatic flexure [n=1]; Splenic flexure [n=1]; Overlapping sites [n=9]; Not specified [n=27]

<sup>8</sup> Race/ethnicity: precedence given to Hispanic ethnicity first, then Black race, then other race, then White race

<sup>9</sup> For those missing age at diagnosis [n=17], age was imputed as the midpoint of the range of plausible ages at diagnosis

<sup>10</sup> Medical confirmation of reported colon or rectal cancer is generally from pathology report but may include other medical documentation; National Death Index (NDI) Plus or death certificate confirmation is specific to cases that do not have medical confirmation

<sup>11</sup> Stage at diagnosis is only available for cases with medical confirmation