

Tobacco use: All cancers

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| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|------|---------------|-----|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 19973 | 5987 | 30.7 | 3174 | 53.0 | 1614 | 50.9 | 729 | 4.2 | 511 | 3.0 | 243 | 1.4 | 1616 | 9.2 |
| | Age at baseline | 18-19 | 2155 | 354 | 17.1 | 224 | 63.3 | 80 | 35.7 | 63 | 3.3 | 46 | 2.4 | 17 | 0.9 | 90 | 4.6 |
| | | 20-24 | 6010 | 1535 | 26.4 | 917 | 59.7 | 486 | 53.0 | 252 | 4.8 | 142 | 2.7 | 85 | 1.6 | 472 | 8.9 |
| | | 25-29 | 5553 | 1734 | 31.9 | 929 | 53.6 | 498 | 53.6 | 220 | 4.6 | 150 | 3.2 | 70 | 1.5 | 515 | 10.6 |
| | | 30-34 | 3865 | 1432 | 37.5 | 696 | 48.6 | 337 | 48.4 | 136 | 4.1 | 110 | 3.3 | 55 | 1.7 | 348 | 10.3 |
| | | 35+ | 2390 | 932 | 39.4 | 408 | 43.8 | 213 | 52.2 | 58 | 2.9 | 63 | 3.2 | 16 | 0.8 | 191 | 9.3 |
| | Years since diagnosis | 5-9 | 998 | 216 | 25.7 | 81 | 37.5 | 29 | 35.8 | 28 | 3.4 | 17 | 2.1 | 9 | 1.1 | 37 | 4.5 |
| | | 10-14 | 4900 | 1362 | 28.6 | 724 | 53.2 | 375 | 51.8 | 189 | 4.2 | 133 | 3.0 | 58 | 1.3 | 358 | 8.0 |
| | | 15-19 | 7562 | 2162 | 29.1 | 1208 | 55.9 | 605 | 50.1 | 258 | 3.9 | 193 | 3.0 | 90 | 1.4 | 617 | 9.2 |
| | | 20+ | 6513 | 2247 | 34.8 | 1161 | 51.7 | 605 | 52.1 | 254 | 4.7 | 168 | 3.2 | 86 | 1.6 | 604 | 10.9 |
| | Age at diagnosis | <1 | 812 | 234 | 29.3 | 136 | 58.1 | 74 | 54.4 | 44 | 6.3 | 16 | 2.3 | 15 | 2.2 | 68 | 9.6 |
| | | 1-4 | 4675 | 1136 | 24.6 | 703 | 61.9 | 362 | 51.5 | 161 | 4.1 | 109 | 2.8 | 63 | 1.6 | 375 | 9.3 |
| | | 5-9 | 4859 | 1320 | 27.7 | 748 | 56.7 | 371 | 49.6 | 191 | 4.5 | 118 | 2.8 | 62 | 1.5 | 405 | 9.4 |
| | | 10-14 | 5383 | 1778 | 34.0 | 941 | 52.9 | 463 | 49.2 | 208 | 4.4 | 157 | 3.4 | 65 | 1.4 | 432 | 9.1 |
| | | 15-20 | 4244 | 1519 | 37.2 | 646 | 42.5 | 344 | 53.3 | 125 | 3.4 | 111 | 3.0 | 38 | 1.0 | 336 | 9.0 |
| | Treatment | Surgery only | 1648 | 575 | 35.6 | 314 | 54.6 | 169 | 53.8 | 61 | 4.2 | 48 | 3.3 | 27 | 1.9 | 149 | 10.2 |
| | | Chemotherapy, no radiation | 6025 | 1977 | 33.6 | 1004 | 50.8 | 548 | 54.6 | 270 | 5.4 | 172 | 3.5 | 100 | 2.1 | 596 | 11.8 |
| | | Radiation, no chemotherapy | 1785 | 505 | 28.9 | 261 | 51.7 | 114 | 43.7 | 54 | 3.3 | 43 | 2.7 | 23 | 1.4 | 123 | 7.5 |
| | | Chemotherapy and radiation | 8477 | 2282 | 27.6 | 1217 | 53.3 | 610 | 50.1 | 270 | 3.6 | 195 | 2.6 | 75 | 1.0 | 609 | 8.1 |
| | | Unknown | 2038 | 648 | 32.3 | 378 | 58.3 | 173 | 45.8 | 74 | 4.1 | 53 | 2.9 | 18 | 1.0 | 139 | 7.6 |
| Males | All cases | | 10659 | 3407 | 32.8 | 1870 | 54.9 | 929 | 49.7 | 711 | 7.8 | 505 | 5.7 | 226 | 2.6 | 1445 | 15.7 |
| | Age at baseline | 18-19 | 1125 | 213 | 19.7 | 140 | 65.7 | 49 | 35.0 | 61 | 6.1 | 45 | 4.5 | 14 | 1.4 | 78 | 7.8 |
| | | 20-24 | 3164 | 895 | 29.3 | 560 | 62.6 | 302 | 53.9 | 243 | 8.9 | 139 | 5.2 | 75 | 2.9 | 407 | 14.8 |
| | | 25-29 | 3085 | 1002 | 33.3 | 562 | 56.1 | 288 | 51.2 | 216 | 8.2 | 150 | 5.9 | 68 | 2.7 | 479 | 17.9 |
| | | 30-34 | 2056 | 795 | 39.3 | 396 | 49.8 | 184 | 46.5 | 135 | 7.7 | 109 | 6.4 | 53 | 3.2 | 312 | 17.7 |
| | | 35+ | 1229 | 502 | 41.4 | 212 | 42.2 | 106 | 50.0 | 56 | 5.6 | 62 | 6.3 | 16 | 1.6 | 169 | 16.3 |
| | Years since diagnosis | 5-9 | 551 | 127 | 27.5 | 48 | 37.8 | 15 | 31.3 | 27 | 6.1 | 17 | 3.9 | 9 | 2.1 | 36 | 8.2 |
| | | 10-14 | 2643 | 754 | 29.6 | 415 | 55.0 | 216 | 52.0 | 183 | 7.7 | 131 | 5.7 | 54 | 2.4 | 323 | 13.7 |
| | | 15-19 | 3983 | 1235 | 31.5 | 725 | 58.7 | 359 | 49.5 | 251 | 7.3 | 190 | 5.7 | 81 | 2.4 | 545 | 15.6 |
| | | 20+ | 3482 | 1291 | 37.4 | 682 | 52.8 | 339 | 49.7 | 250 | 8.7 | 167 | 6.0 | 82 | 3.0 | 541 | 18.5 |
| | Age at diagnosis | <1 | 415 | 134 | 32.7 | 87 | 64.9 | 46 | 52.9 | 42 | 11.7 | 16 | 4.6 | 11 | 3.2 | 54 | 14.9 |
| | | 1-4 | 2397 | 665 | 28.0 | 426 | 64.1 | 218 | 51.2 | 156 | 7.8 | 106 | 5.4 | 58 | 3.0 | 323 | 15.7 |
| | | 5-9 | 2735 | 789 | 29.5 | 471 | 59.7 | 229 | 48.6 | 187 | 7.9 | 118 | 5.1 | 58 | 2.5 | 369 | 15.3 |
| | | 10-14 | 2841 | 980 | 35.5 | 533 | 54.4 | 250 | 46.9 | 205 | 8.4 | 155 | 6.5 | 61 | 2.6 | 393 | 15.9 |
| | | 15-20 | 2271 | 839 | 38.9 | 353 | 42.1 | 186 | 52.7 | 121 | 6.3 | 110 | 5.9 | 38 | 2.1 | 306 | 15.8 |
| | Treatment | Surgery only | 810 | 283 | 35.8 | 169 | 59.7 | 93 | 55.0 | 59 | 8.3 | 47 | 6.7 | 27 | 3.9 | 124 | 17.2 |
| | | Chemotherapy, no radiation | 3208 | 1133 | 36.3 | 598 | 52.8 | 314 | 52.5 | 262 | 10.0 | 171 | 6.8 | 87 | 3.5 | 529 | 19.8 |
| | | Radiation, no chemotherapy | 928 | 277 | 30.8 | 149 | 53.8 | 67 | 45.0 | 53 | 6.5 | 43 | 5.4 | 23 | 2.9 | 115 | 14.0 |
| | | Chemotherapy and radiation | 4498 | 1300 | 29.7 | 705 | 54.2 | 350 | 49.6 | 265 | 6.8 | 192 | 5.1 | 71 | 1.9 | 555 | 14.1 |
| | | Unknown | 1215 | 414 | 34.7 | 249 | 60.1 | 105 | 42.2 | 72 | 6.7 | 52 | 4.9 | 18 | 1.7 | 122 | 11.3 |
| Females | All cases | | 9314 | 2580 | 28.3 | 1304 | 50.5 | 685 | 52.5 | 18 | 0.2 | 6 | 0.1 | 17 | 0.2 | 171 | 2.1 |
| | Age at baseline | 18-19 | 1030 | 141 | 14.3 | 84 | 59.6 | 31 | 36.9 | 2 | 0.2 | 1 | 0.1 | 3 | 0.3 | 12 | 1.3 |
| | | 20-24 | 2846 | 640 | 23.1 | 357 | 55.8 | 184 | 51.5 | 9 | 0.4 | 3 | 0.1 | 10 | 0.4 | 65 | 2.5 |

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² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|-----|---------------|-----|-------|-----|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 25-29 | 2468 | 732 | 30.2 | 367 | 50.1 | 210 | 57.2 | 4 | 0.2 | . | . | 2 | 0.1 | 36 | 1.6 |
| | | 30-34 | 1809 | 637 | 35.6 | 300 | 47.1 | 153 | 51.0 | 1 | 0.1 | 1 | 0.1 | 2 | 0.1 | 36 | 2.2 |
| | | 35+ | 1161 | 430 | 37.3 | 196 | 45.6 | 107 | 54.6 | 2 | 0.2 | 1 | 0.1 | . | . | 22 | 2.2 |
| | Years since diagnosis | 5-9 | 447 | 89 | 23.4 | 33 | 37.1 | 14 | 42.4 | 1 | 0.3 | . | . | . | . | 1 | 0.3 |
| | | 10-14 | 2257 | 608 | 27.5 | 309 | 50.8 | 159 | 51.5 | 6 | 0.3 | 2 | 0.1 | 4 | 0.2 | 35 | 1.6 |
| | | 15-19 | 3579 | 927 | 26.3 | 483 | 52.1 | 246 | 50.9 | 7 | 0.2 | 3 | 0.1 | 9 | 0.3 | 72 | 2.2 |
| | | 20+ | 3031 | 956 | 31.7 | 479 | 50.1 | 266 | 55.5 | 4 | 0.2 | 1 | 0.0 | 4 | 0.2 | 63 | 2.4 |
| | Age at diagnosis | <1 | 397 | 100 | 25.6 | 49 | 49.0 | 28 | 57.1 | 2 | 0.6 | . | . | 4 | 1.2 | 14 | 4.1 |
| | | 1-4 | 2278 | 471 | 21.0 | 277 | 58.8 | 144 | 52.0 | 5 | 0.3 | 3 | 0.2 | 5 | 0.3 | 52 | 2.6 |
| | | 5-9 | 2124 | 531 | 25.4 | 277 | 52.2 | 142 | 51.3 | 4 | 0.2 | . | . | 4 | 0.2 | 36 | 1.9 |
| | | 10-14 | 2542 | 798 | 32.2 | 408 | 51.1 | 213 | 52.2 | 3 | 0.1 | 2 | 0.1 | 4 | 0.2 | 39 | 1.7 |
| | | 15-20 | 1973 | 680 | 35.4 | 293 | 43.1 | 158 | 53.9 | 4 | 0.2 | 1 | 0.1 | . | . | 30 | 1.7 |
| | Treatment | Surgery only | 838 | 292 | 35.5 | 145 | 49.7 | 76 | 52.4 | 2 | 0.3 | 1 | 0.1 | . | . | 25 | 3.4 |
| | | Chemotherapy, no radiation | 2817 | 844 | 30.6 | 406 | 48.1 | 234 | 57.6 | 8 | 0.3 | 1 | 0.0 | 13 | 0.5 | 67 | 2.8 |
| | | Radiation, no chemotherapy | 857 | 228 | 26.9 | 112 | 49.1 | 47 | 42.0 | 1 | 0.1 | . | . | . | . | 8 | 1.0 |
| | | Chemotherapy and radiation | 3979 | 982 | 25.3 | 512 | 52.1 | 260 | 50.8 | 5 | 0.1 | 3 | 0.1 | 4 | 0.1 | 54 | 1.5 |
| | | Unknown | 823 | 234 | 28.7 | 129 | 55.1 | 68 | 52.7 | 2 | 0.3 | 1 | 0.1 | . | . | 17 | 2.3 |

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² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

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n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|-----|---------------|------|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 5639 | 1536 | 27.7 | 901 | 58.7 | 448 | 49.7 | 199 | 4.1 | 147 | 3.1 | 62 | 1.3 | 442 | 9.1 |
| | Age at baseline | 18-19 | 844 | 125 | 15.2 | 77 | 61.6 | 21 | 27.3 | 18 | 2.4 | 19 | 2.5 | 6 | 0.8 | 33 | 4.3 |
| | | 20-24 | 1964 | 491 | 25.4 | 318 | 64.8 | 165 | 51.9 | 81 | 4.8 | 50 | 3.0 | 16 | 1.0 | 142 | 8.3 |
| | | 25-29 | 1598 | 486 | 30.9 | 271 | 55.8 | 147 | 54.2 | 65 | 4.8 | 43 | 3.3 | 22 | 1.7 | 152 | 11.1 |
| | | 30-34 | 837 | 298 | 36.1 | 173 | 58.1 | 79 | 45.7 | 27 | 4.0 | 27 | 4.1 | 13 | 2.0 | 90 | 13.1 |
| | | 35+ | 396 | 136 | 34.9 | 62 | 45.6 | 36 | 58.1 | 8 | 2.7 | 8 | 2.6 | 5 | 1.7 | 25 | 8.1 |
| | Years since diagnosis | 5-9 | 252 | 53 | 24.3 | 23 | 43.4 | 11 | 47.8 | 3 | 1.4 | 5 | 2.4 | 2 | 0.9 | 7 | 3.2 |
| | | 10-14 | 1290 | 322 | 25.5 | 192 | 59.6 | 93 | 48.4 | 50 | 4.2 | 41 | 3.5 | 15 | 1.3 | 96 | 8.0 |
| | | 15-19 | 2281 | 596 | 26.4 | 358 | 60.1 | 170 | 47.5 | 87 | 4.4 | 60 | 3.1 | 25 | 1.3 | 171 | 8.7 |
| | | 20+ | 1816 | 565 | 31.2 | 328 | 58.1 | 174 | 53.0 | 59 | 4.1 | 41 | 2.9 | 20 | 1.4 | 168 | 11.4 |
| | Age at diagnosis | <1 | 92 | 15 | 16.7 | 6 | 40.0 | 3 | 50.0 | 2 | 2.6 | 1 | 1.3 | 2 | 2.6 | 3 | 3.8 |
| | | 1-4 | 2026 | 463 | 23.0 | 302 | 65.2 | 149 | 49.3 | 64 | 3.8 | 54 | 3.3 | 18 | 1.1 | 148 | 8.8 |
| | | 5-9 | 1540 | 427 | 28.1 | 259 | 60.7 | 123 | 47.5 | 63 | 4.7 | 35 | 2.7 | 15 | 1.1 | 123 | 9.1 |
| | | 10-14 | 1294 | 410 | 32.4 | 232 | 56.6 | 113 | 48.7 | 47 | 4.2 | 32 | 2.9 | 18 | 1.6 | 109 | 9.7 |
| | | 15-20 | 687 | 221 | 33.8 | 102 | 46.2 | 60 | 58.8 | 23 | 4.0 | 25 | 4.3 | 9 | 1.6 | 59 | 10.0 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 2290 | 725 | 32.3 | 381 | 52.6 | 211 | 55.4 | 85 | 4.6 | 56 | 3.1 | 36 | 2.0 | 211 | 11.4 |
| | | Radiation, no chemotherapy | 3 | . | . | . | . | . | . | . | . | 1 | 33.3 | . | . | . | . |
| | | Chemotherapy and radiation | 2766 | 655 | 24.1 | 411 | 62.7 | 185 | 45.0 | 97 | 3.9 | 76 | 3.2 | 22 | 0.9 | 192 | 7.8 |
| | | Unknown | 578 | 156 | 27.2 | 109 | 69.9 | 52 | 47.7 | 17 | 3.3 | 14 | 2.8 | 4 | 0.8 | 39 | 7.5 |
| Males | All cases | | 2981 | 881 | 30.1 | 524 | 59.5 | 258 | 49.2 | 191 | 7.6 | 144 | 5.9 | 53 | 2.2 | 389 | 15.4 |
| | Age at baseline | 18-19 | 455 | 74 | 16.7 | 47 | 63.5 | 14 | 29.8 | 17 | 4.2 | 18 | 4.5 | 4 | 1.0 | 27 | 6.7 |
| | | 20-24 | 996 | 285 | 29.1 | 193 | 67.7 | 101 | 52.3 | 75 | 8.8 | 49 | 5.8 | 12 | 1.5 | 120 | 13.9 |
| | | 25-29 | 867 | 280 | 32.8 | 158 | 56.4 | 84 | 53.2 | 65 | 8.9 | 43 | 6.2 | 20 | 2.9 | 146 | 20.0 |
| | | 30-34 | 440 | 162 | 37.3 | 92 | 56.8 | 37 | 40.2 | 27 | 7.6 | 27 | 7.9 | 12 | 3.5 | 77 | 21.3 |
| | | 35+ | 223 | 80 | 36.7 | 34 | 42.5 | 22 | 64.7 | 7 | 4.2 | 7 | 4.2 | 5 | 3.1 | 19 | 11.2 |
| | Years since diagnosis | 5-9 | 139 | 32 | 26.7 | 13 | 40.6 | 6 | 46.2 | 3 | 2.6 | 5 | 4.3 | 2 | 1.8 | 7 | 5.9 |
| | | 10-14 | 695 | 182 | 26.8 | 107 | 58.8 | 54 | 50.5 | 47 | 7.4 | 41 | 6.6 | 11 | 1.8 | 83 | 13.3 |
| | | 15-19 | 1172 | 341 | 29.4 | 216 | 63.3 | 102 | 47.2 | 83 | 8.3 | 58 | 5.9 | 22 | 2.3 | 152 | 15.1 |
| | | 20+ | 975 | 326 | 33.6 | 188 | 57.7 | 96 | 51.1 | 58 | 7.7 | 40 | 5.5 | 18 | 2.5 | 147 | 18.8 |
| | Age at diagnosis | <1 | 48 | 7 | 14.9 | 6 | 85.7 | 3 | 50.0 | 2 | 5.1 | 1 | 2.6 | 1 | 2.5 | 3 | 7.1 |
| | | 1-4 | 1058 | 284 | 27.0 | 187 | 65.8 | 90 | 48.1 | 60 | 6.9 | 52 | 6.2 | 15 | 1.8 | 127 | 14.5 |
| | | 5-9 | 820 | 227 | 28.1 | 142 | 62.6 | 68 | 47.9 | 61 | 8.6 | 35 | 5.1 | 13 | 1.9 | 112 | 15.8 |
| | | 10-14 | 637 | 218 | 34.9 | 128 | 58.7 | 61 | 47.7 | 45 | 8.2 | 31 | 5.8 | 15 | 2.8 | 93 | 17.0 |
| | | 15-20 | 418 | 145 | 36.6 | 61 | 42.1 | 36 | 59.0 | 23 | 6.6 | 25 | 7.3 | 9 | 2.7 | 54 | 15.2 |
| | Treatment | Chemotherapy, no radiation | 1156 | 385 | 34.0 | 205 | 53.2 | 111 | 54.1 | 79 | 8.7 | 55 | 6.3 | 29 | 3.4 | 182 | 19.7 |
| | | Radiation, no chemotherapy | 2 | . | . | . | . | . | . | . | . | 1 | 50.0 | . | . | . | . |
| | | Chemotherapy and radiation | 1480 | 397 | 27.3 | 249 | 62.7 | 119 | 47.8 | 96 | 7.5 | 75 | 6.0 | 20 | 1.6 | 173 | 13.4 |
| | | Unknown | 343 | 99 | 29.2 | 70 | 70.7 | 28 | 40.0 | 16 | 5.3 | 13 | 4.3 | 4 | 1.3 | 34 | 11.0 |
| Females | All cases | | 2658 | 655 | 25.0 | 377 | 57.6 | 190 | 50.4 | 8 | 0.3 | 3 | 0.1 | 9 | 0.4 | 53 | 2.3 |
| | Age at baseline | 18-19 | 389 | 51 | 13.4 | 30 | 58.8 | 7 | 23.3 | 1 | 0.3 | 1 | 0.3 | 2 | 0.6 | 6 | 1.7 |
| | | 20-24 | 968 | 206 | 21.6 | 125 | 60.7 | 64 | 51.2 | 6 | 0.7 | 1 | 0.1 | 4 | 0.5 | 22 | 2.6 |
| | | 25-29 | 731 | 206 | 28.5 | 113 | 54.9 | 63 | 55.8 | . | . | . | . | 2 | 0.3 | 6 | 0.9 |

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|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|-----|---------------|-----|-------|-----|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 30-34 | 397 | 136 | 34.7 | 81 | 59.6 | 42 | 51.9 | . | . | . | . | 1 | 0.3 | 13 | 4.0 |
| | | 35+ | 173 | 56 | 32.6 | 28 | 50.0 | 14 | 50.0 | 1 | 0.7 | 1 | 0.7 | . | . | 6 | 4.4 |
| | Years since diagnosis | 5-9 | 113 | 21 | 21.4 | 10 | 47.6 | 5 | 50.0 | . | . | . | . | . | . | . | . |
| | | 10-14 | 595 | 140 | 23.9 | 85 | 60.7 | 39 | 45.9 | 3 | 0.5 | . | . | 4 | 0.7 | 13 | 2.3 |
| | | 15-19 | 1109 | 255 | 23.3 | 142 | 55.7 | 68 | 47.9 | 4 | 0.4 | 2 | 0.2 | 3 | 0.3 | 19 | 2.0 |
| | | 20+ | 841 | 239 | 28.5 | 140 | 58.6 | 78 | 55.7 | 1 | 0.1 | 1 | 0.2 | 2 | 0.3 | 21 | 3.1 |
| | Age at diagnosis | <1 | 44 | 8 | 18.6 | . | . | . | . | . | . | . | . | 1 | 2.6 | . | . |
| | | 1-4 | 968 | 179 | 18.6 | 115 | 64.2 | 59 | 51.3 | 4 | 0.5 | 2 | 0.3 | 3 | 0.4 | 21 | 2.6 |
| | | 5-9 | 720 | 200 | 28.0 | 117 | 58.5 | 55 | 47.0 | 2 | 0.3 | . | . | 2 | 0.3 | 11 | 1.7 |
| | | 10-14 | 657 | 192 | 29.9 | 104 | 54.2 | 52 | 50.0 | 2 | 0.3 | 1 | 0.2 | 3 | 0.5 | 16 | 2.7 |
| | | 15-20 | 269 | 76 | 29.6 | 41 | 53.9 | 24 | 58.5 | . | . | . | . | . | . | 5 | 2.1 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 1134 | 340 | 30.5 | 176 | 51.8 | 100 | 56.8 | 6 | 0.7 | 1 | 0.1 | 7 | 0.8 | 29 | 3.1 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 1286 | 258 | 20.3 | 162 | 62.8 | 66 | 40.7 | 1 | 0.1 | 1 | 0.1 | 2 | 0.2 | 19 | 1.6 |
| | | Unknown | 235 | 57 | 24.4 | 39 | 68.4 | 24 | 61.5 | 1 | 0.5 | 1 | 0.5 | . | . | 5 | 2.4 |

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|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|-----|---------------|------|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 4675 | 1257 | 27.2 | 764 | 60.8 | 365 | 47.8 | 169 | 4.2 | 123 | 3.1 | 51 | 1.3 | 363 | 9.0 |
| | Age at baseline | 18-19 | 730 | 112 | 15.7 | 71 | 63.4 | 19 | 26.8 | 17 | 2.6 | 17 | 2.6 | 6 | 0.9 | 31 | 4.7 |
| | | 20-24 | 1687 | 426 | 25.6 | 279 | 65.5 | 143 | 51.3 | 70 | 4.8 | 44 | 3.0 | 14 | 1.0 | 119 | 8.0 |
| | | 25-29 | 1329 | 404 | 30.7 | 232 | 57.4 | 119 | 51.3 | 58 | 5.1 | 39 | 3.6 | 18 | 1.6 | 123 | 10.8 |
| | | 30-34 | 649 | 223 | 34.7 | 135 | 60.5 | 54 | 40.0 | 21 | 4.1 | 18 | 3.6 | 9 | 1.8 | 72 | 13.6 |
| | | 35+ | 280 | 92 | 33.3 | 47 | 51.1 | 30 | 63.8 | 3 | 1.4 | 5 | 2.3 | 4 | 1.9 | 18 | 8.3 |
| | Years since diagnosis | 5-9 | 186 | 42 | 25.3 | 18 | 42.9 | 9 | 50.0 | 1 | 0.6 | 3 | 1.9 | 2 | 1.3 | 7 | 4.3 |
| | | 10-14 | 1060 | 258 | 24.8 | 160 | 62.0 | 72 | 45.0 | 46 | 4.7 | 33 | 3.4 | 11 | 1.1 | 75 | 7.7 |
| | | 15-19 | 1903 | 487 | 25.8 | 306 | 62.8 | 135 | 44.1 | 76 | 4.6 | 53 | 3.3 | 23 | 1.4 | 150 | 9.1 |
| | | 20+ | 1526 | 470 | 30.9 | 280 | 59.6 | 149 | 53.2 | 46 | 3.8 | 34 | 2.9 | 15 | 1.3 | 131 | 10.7 |
| | Age at diagnosis | <1 | 54 | 9 | 17.0 | 5 | 55.6 | 2 | 40.0 | 1 | 2.2 | . | . | 2 | 4.4 | 3 | 6.5 |
| | | 1-4 | 1802 | 413 | 23.0 | 269 | 65.1 | 134 | 49.8 | 55 | 3.7 | 52 | 3.6 | 16 | 1.1 | 120 | 8.0 |
| | | 5-9 | 1340 | 368 | 27.8 | 230 | 62.5 | 105 | 45.7 | 58 | 4.9 | 30 | 2.6 | 13 | 1.1 | 104 | 8.8 |
| | | 10-14 | 1012 | 322 | 32.5 | 185 | 57.5 | 79 | 42.7 | 36 | 4.1 | 23 | 2.6 | 13 | 1.5 | 91 | 10.3 |
| | | 15-20 | 467 | 145 | 32.2 | 75 | 51.7 | 45 | 60.0 | 19 | 4.8 | 18 | 4.6 | 7 | 1.8 | 45 | 11.1 |
| | Treatment | Chemotherapy, no radiation | 1781 | 560 | 32.0 | 304 | 54.3 | 166 | 54.6 | 67 | 4.8 | 44 | 3.2 | 29 | 2.1 | 163 | 11.5 |
| | | Radiation, no chemotherapy | 3 | . | . | . | . | . | . | . | . | 1 | 33.3 | . | . | . | . |
| | | Chemotherapy and radiation | 2409 | 560 | 23.5 | 361 | 64.5 | 153 | 42.4 | 88 | 4.1 | 66 | 3.1 | 18 | 0.9 | 169 | 7.8 |
| | | Unknown | 482 | 137 | 28.7 | 99 | 72.3 | 46 | 46.5 | 14 | 3.2 | 12 | 2.7 | 4 | 0.9 | 31 | 7.0 |
| Males | All cases | | 2502 | 741 | 30.1 | 450 | 60.7 | 211 | 46.9 | 163 | 7.7 | 121 | 5.9 | 43 | 2.1 | 319 | 15.0 |
| | Age at baseline | 18-19 | 398 | 68 | 17.6 | 44 | 64.7 | 12 | 27.3 | 16 | 4.5 | 16 | 4.6 | 4 | 1.2 | 25 | 7.1 |
| | | 20-24 | 857 | 248 | 29.3 | 165 | 66.5 | 87 | 52.7 | 65 | 8.8 | 43 | 5.9 | 11 | 1.6 | 99 | 13.3 |
| | | 25-29 | 733 | 238 | 32.8 | 139 | 58.4 | 69 | 49.6 | 58 | 9.4 | 39 | 6.7 | 16 | 2.8 | 118 | 19.0 |
| | | 30-34 | 347 | 129 | 37.7 | 73 | 56.6 | 23 | 31.5 | 21 | 7.7 | 18 | 6.8 | 8 | 3.0 | 62 | 22.1 |
| | | 35+ | 167 | 58 | 35.4 | 29 | 50.0 | 20 | 69.0 | 3 | 2.5 | 5 | 4.1 | 4 | 3.3 | 15 | 12.0 |
| | Years since diagnosis | 5-9 | 99 | 26 | 28.9 | 9 | 34.6 | 5 | 55.6 | 1 | 1.2 | 3 | 3.6 | 2 | 2.4 | 7 | 8.0 |
| | | 10-14 | 585 | 147 | 25.8 | 89 | 60.5 | 43 | 48.3 | 43 | 8.1 | 33 | 6.3 | 7 | 1.4 | 64 | 12.3 |
| | | 15-19 | 992 | 291 | 29.6 | 189 | 64.9 | 83 | 43.9 | 73 | 8.6 | 51 | 6.1 | 20 | 2.5 | 133 | 15.5 |
| | | 20+ | 826 | 277 | 33.8 | 163 | 58.8 | 80 | 49.1 | 46 | 7.2 | 34 | 5.6 | 14 | 2.3 | 115 | 17.5 |
| | Age at diagnosis | <1 | 30 | 6 | 20.7 | 5 | 83.3 | 2 | 40.0 | 1 | 4.0 | . | . | 1 | 4.2 | 3 | 11.5 |
| | | 1-4 | 938 | 254 | 27.2 | 166 | 65.4 | 78 | 47.0 | 52 | 6.8 | 50 | 6.7 | 14 | 2.0 | 101 | 13.1 |
| | | 5-9 | 725 | 197 | 27.6 | 125 | 63.5 | 57 | 45.6 | 56 | 8.9 | 30 | 4.9 | 11 | 1.8 | 94 | 14.9 |
| | | 10-14 | 516 | 184 | 36.4 | 107 | 58.2 | 46 | 43.0 | 35 | 7.9 | 23 | 5.3 | 10 | 2.3 | 78 | 17.7 |
| | | 15-20 | 293 | 100 | 35.3 | 47 | 47.0 | 28 | 59.6 | 19 | 7.9 | 18 | 7.5 | 7 | 3.0 | 43 | 17.1 |
| | Treatment | Chemotherapy, no radiation | 899 | 302 | 34.2 | 163 | 54.0 | 86 | 52.8 | 62 | 8.9 | 43 | 6.4 | 22 | 3.4 | 138 | 19.6 |
| | | Radiation, no chemotherapy | 2 | . | . | . | . | . | . | . | . | 1 | 50.0 | . | . | . | . |
| | | Chemotherapy and radiation | 1311 | 352 | 27.3 | 224 | 63.6 | 102 | 45.5 | 87 | 7.6 | 65 | 5.8 | 17 | 1.5 | 154 | 13.4 |
| | | Unknown | 290 | 87 | 30.3 | 63 | 72.4 | 23 | 36.5 | 14 | 5.3 | 12 | 4.6 | 4 | 1.6 | 27 | 10.2 |
| Females | All cases | | 2173 | 516 | 24.0 | 314 | 60.9 | 154 | 49.0 | 6 | 0.3 | 2 | 0.1 | 8 | 0.4 | 44 | 2.3 |
| | Age at baseline | 18-19 | 332 | 44 | 13.4 | 27 | 61.4 | 7 | 25.9 | 1 | 0.3 | 1 | 0.3 | 2 | 0.7 | 6 | 2.0 |
| | | 20-24 | 830 | 178 | 21.7 | 114 | 64.0 | 56 | 49.1 | 5 | 0.7 | 1 | 0.1 | 3 | 0.4 | 20 | 2.7 |
| | | 25-29 | 596 | 166 | 28.1 | 93 | 56.0 | 50 | 53.8 | . | . | . | . | 2 | 0.4 | 5 | 1.0 |
| | | 30-34 | 302 | 94 | 31.3 | 62 | 66.0 | 31 | 50.0 | . | . | . | . | 1 | 0.4 | 10 | 4.0 |

CCSS data from Jan2020 data freeze

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¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|-----|---------------|-----|-------|-----|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 35+ | 113 | 34 | 30.4 | 18 | 52.9 | 10 | 55.6 | . | . | . | . | . | . | 3 | 3.3 |
| | Years since diagnosis | 5-9 | 87 | 16 | 21.1 | 9 | 56.3 | 4 | 44.4 | . | . | . | . | . | . | . | . |
| | | 10-14 | 475 | 111 | 23.6 | 71 | 64.0 | 29 | 40.8 | 3 | 0.7 | . | . | 4 | 0.9 | 11 | 2.4 |
| | | 15-19 | 911 | 196 | 21.6 | 117 | 59.7 | 52 | 44.4 | 3 | 0.4 | 2 | 0.3 | 3 | 0.4 | 17 | 2.1 |
| | | 20+ | 700 | 193 | 27.6 | 117 | 60.6 | 69 | 59.0 | . | . | . | . | 1 | 0.2 | 16 | 2.8 |
| | Age at diagnosis | <1 | 24 | 3 | 12.5 | . | . | . | . | . | . | . | . | 1 | 4.8 | . | . |
| | | 1-4 | 864 | 159 | 18.4 | 103 | 64.8 | 56 | 54.4 | 3 | 0.4 | 2 | 0.3 | 2 | 0.3 | 19 | 2.6 |
| | | 5-9 | 615 | 171 | 27.9 | 105 | 61.4 | 48 | 45.7 | 2 | 0.4 | . | . | 2 | 0.4 | 10 | 1.8 |
| | | 10-14 | 496 | 138 | 28.4 | 78 | 56.5 | 33 | 42.3 | 1 | 0.2 | . | . | 3 | 0.7 | 13 | 2.9 |
| | | 15-20 | 174 | 45 | 26.8 | 28 | 62.2 | 17 | 60.7 | . | . | . | . | . | . | 2 | 1.3 |
| | Treatment | Chemotherapy, no radiation | 882 | 258 | 29.7 | 141 | 54.7 | 80 | 56.7 | 5 | 0.7 | 1 | 0.1 | 7 | 1.0 | 25 | 3.5 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 1098 | 208 | 19.0 | 137 | 65.9 | 51 | 37.2 | 1 | 0.1 | 1 | 0.1 | 1 | 0.1 | 15 | 1.5 |
| | | Unknown | 192 | 50 | 26.2 | 36 | 72.0 | 23 | 63.9 | . | . | . | . | . | . | 4 | 2.2 |

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¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

³ For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|-------|---------------------------------------|-------|---------------------------------|------|---------------|------|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 697 | 204 | 30.0 | 104 | 51.0 | 63 | 60.6 | 17 | 2.9 | 20 | 3.4 | 9 | 1.5 | 55 | 9.2 |
| | Age at baseline | 18-19 | 89 | 9 | 10.3 | 4 | 44.4 | 1 | 25.0 | . | . | 2 | 2.5 | . | . | 2 | 2.4 |
| | | 20-24 | 199 | 48 | 25.0 | 29 | 60.4 | 17 | 58.6 | 9 | 5.3 | 6 | 3.6 | 2 | 1.2 | 18 | 10.4 |
| | | 25-29 | 200 | 71 | 36.4 | 35 | 49.3 | 26 | 74.3 | 3 | 1.8 | 4 | 2.5 | 4 | 2.4 | 19 | 11.2 |
| | | 30-34 | 133 | 51 | 38.6 | 27 | 52.9 | 16 | 59.3 | 2 | 1.7 | 7 | 5.9 | 3 | 2.6 | 11 | 9.4 |
| | | 35+ | 76 | 25 | 33.8 | 9 | 36.0 | 3 | 33.3 | 3 | 5.2 | 1 | 1.8 | . | . | 5 | 8.5 |
| | Years since diagnosis | 5-9 | 37 | 8 | 23.5 | 4 | 50.0 | 2 | 50.0 | 1 | 3.0 | 2 | 6.3 | . | . | . | . |
| | | 10-14 | 166 | 49 | 30.1 | 27 | 55.1 | 17 | 63.0 | 3 | 1.9 | 8 | 5.2 | 3 | 1.9 | 15 | 9.6 |
| | | 15-19 | 294 | 83 | 29.3 | 40 | 48.2 | 29 | 72.5 | 7 | 2.8 | 7 | 2.9 | 2 | 0.8 | 17 | 7.0 |
| | | 20+ | 200 | 64 | 32.0 | 33 | 51.6 | 15 | 45.5 | 6 | 3.8 | 3 | 1.9 | 4 | 2.5 | 23 | 13.7 |
| | Age at diagnosis | <1 | 35 | 6 | 17.6 | 1 | 16.7 | 1 | 100.0 | 1 | 3.4 | 1 | 3.4 | . | . | . | . |
| | | 1-4 | 167 | 37 | 22.8 | 23 | 62.2 | 11 | 47.8 | 5 | 3.8 | 2 | 1.5 | 2 | 1.5 | 19 | 13.6 |
| | | 5-9 | 148 | 45 | 30.6 | 23 | 51.1 | 13 | 56.5 | 2 | 1.6 | 4 | 3.2 | 2 | 1.6 | 14 | 10.9 |
| | | 10-14 | 196 | 66 | 34.4 | 37 | 56.1 | 27 | 73.0 | 7 | 4.0 | 7 | 4.1 | 5 | 2.9 | 14 | 8.3 |
| | | 15-20 | 151 | 50 | 34.5 | 20 | 40.0 | 11 | 55.0 | 2 | 1.5 | 6 | 4.5 | . | . | 8 | 6.0 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 405 | 134 | 33.8 | 64 | 47.8 | 35 | 54.7 | 13 | 3.7 | 11 | 3.2 | 6 | 1.7 | 37 | 10.5 |
| | | Chemotherapy and radiation | 224 | 57 | 26.1 | 33 | 57.9 | 24 | 72.7 | 4 | 2.0 | 8 | 4.1 | 3 | 1.5 | 13 | 6.6 |
| | | Unknown | 66 | 13 | 20.0 | 7 | 53.8 | 4 | 57.1 | . | . | 1 | 2.1 | . | . | 5 | 9.8 |
| Males | All cases | | 329 | 96 | 29.7 | 53 | 55.2 | 34 | 64.2 | 16 | 5.6 | 20 | 7.2 | 8 | 2.9 | 47 | 16.4 |
| | Age at baseline | 18-19 | 45 | 4 | 9.1 | 2 | 50.0 | 1 | 50.0 | . | . | 2 | 5.0 | . | . | 2 | 4.8 |
| | | 20-24 | 95 | 27 | 29.0 | 19 | 70.4 | 10 | 52.6 | 8 | 9.8 | 6 | 7.4 | 1 | 1.3 | 16 | 19.0 |
| | | 25-29 | 90 | 35 | 39.3 | 17 | 48.6 | 14 | 82.4 | 3 | 4.1 | 4 | 5.7 | 4 | 5.6 | 18 | 24.0 |
| | | 30-34 | 64 | 21 | 32.8 | 14 | 66.7 | 9 | 64.3 | 2 | 3.4 | 7 | 12.3 | 3 | 5.4 | 9 | 15.8 |
| | | 35+ | 35 | 9 | 27.3 | 1 | 11.1 | . | . | 3 | 10.7 | 1 | 3.6 | . | . | 2 | 7.1 |
| | Years since diagnosis | 5-9 | 24 | 5 | 22.7 | 3 | 60.0 | 1 | 33.3 | 1 | 4.8 | 2 | 9.5 | . | . | . | . |
| | | 10-14 | 74 | 26 | 35.6 | 15 | 57.7 | 9 | 60.0 | 3 | 4.3 | 8 | 11.9 | 3 | 4.4 | 13 | 19.1 |
| | | 15-19 | 135 | 36 | 27.3 | 20 | 55.6 | 15 | 75.0 | 6 | 5.1 | 7 | 6.3 | 2 | 1.8 | 15 | 13.2 |
| | | 20+ | 96 | 29 | 30.2 | 15 | 51.7 | 9 | 60.0 | 6 | 7.9 | 3 | 3.9 | 3 | 4.1 | 19 | 22.9 |
| | Age at diagnosis | <1 | 16 | 1 | 6.3 | 1 | 100.0 | 1 | 100.0 | 1 | 7.7 | 1 | 7.7 | . | . | . | . |
| | | 1-4 | 86 | 23 | 27.1 | 14 | 60.9 | 8 | 57.1 | 4 | 5.8 | 2 | 2.9 | 1 | 1.5 | 17 | 23.0 |
| | | 5-9 | 64 | 20 | 31.3 | 13 | 65.0 | 8 | 61.5 | 2 | 3.7 | 4 | 7.8 | 2 | 3.8 | 14 | 25.5 |
| | | 10-14 | 80 | 27 | 34.2 | 15 | 55.6 | 11 | 73.3 | 7 | 9.5 | 7 | 9.9 | 5 | 7.0 | 11 | 15.5 |
| | | 15-20 | 83 | 25 | 31.6 | 10 | 40.0 | 6 | 60.0 | 2 | 2.7 | 6 | 8.2 | . | . | 5 | 6.9 |
| | Treatment | Chemotherapy, no radiation | 194 | 64 | 33.7 | 33 | 51.6 | 19 | 57.6 | 12 | 7.1 | 11 | 6.8 | 6 | 3.8 | 33 | 19.6 |
| | | Chemotherapy and radiation | 100 | 25 | 25.3 | 16 | 64.0 | 12 | 75.0 | 4 | 4.4 | 8 | 9.1 | 2 | 2.2 | 9 | 10.1 |
| | | Unknown | 35 | 7 | 20.6 | 4 | 57.1 | 3 | 75.0 | . | . | 1 | 3.8 | . | . | 5 | 17.2 |
| Females | All cases | | 368 | 108 | 30.3 | 51 | 47.2 | 29 | 56.9 | 1 | 0.3 | . | . | 1 | 0.3 | 8 | 2.5 |
| | Age at baseline | 18-19 | 44 | 5 | 11.6 | 2 | 40.0 | . | . | . | . | . | . | . | . | . | . |
| | | 20-24 | 104 | 21 | 21.2 | 10 | 47.6 | 7 | 70.0 | 1 | 1.1 | . | . | 1 | 1.1 | 2 | 2.2 |
| | | 25-29 | 110 | 36 | 34.0 | 18 | 50.0 | 12 | 66.7 | . | . | . | . | . | . | 1 | 1.1 |
| | | 30-34 | 69 | 30 | 44.1 | 13 | 43.3 | 7 | 53.8 | . | . | . | . | . | . | 2 | 3.3 |
| | | 35+ | 41 | 16 | 39.0 | 8 | 50.0 | 3 | 37.5 | . | . | . | . | . | . | 3 | 9.7 |

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³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded

n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|-------|---------------------------------|-----|---------------|---|-------|-----|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | Years since diagnosis | 5-9 | 13 | 3 | 25.0 | 1 | 33.3 | 1 | 100.0 | . | . | . | . | . | . | . | . |
| | | 10-14 | 92 | 23 | 25.6 | 12 | 52.2 | 8 | 66.7 | . | . | . | . | . | . | 2 | 2.3 |
| | | 15-19 | 159 | 47 | 31.1 | 20 | 42.6 | 14 | 70.0 | 1 | 0.8 | . | . | . | . | 2 | 1.5 |
| | | 20+ | 104 | 35 | 33.7 | 18 | 51.4 | 6 | 33.3 | . | . | . | . | 1 | 1.2 | 4 | 4.7 |
| | Age at diagnosis | <1 | 19 | 5 | 27.8 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 1-4 | 81 | 14 | 18.2 | 9 | 64.3 | 3 | 33.3 | 1 | 1.6 | . | . | 1 | 1.5 | 2 | 3.0 |
| | | 5-9 | 84 | 25 | 30.1 | 10 | 40.0 | 5 | 50.0 | . | . | . | . | . | . | . | . |
| | | 10-14 | 116 | 39 | 34.5 | 22 | 56.4 | 16 | 72.7 | . | . | . | . | . | . | 3 | 3.1 |
| | | 15-20 | 68 | 25 | 37.9 | 10 | 40.0 | 5 | 50.0 | . | . | . | . | . | . | 3 | 4.9 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 211 | 70 | 34.0 | 31 | 44.3 | 16 | 51.6 | 1 | 0.5 | . | . | . | . | 4 | 2.2 |
| | | Chemotherapy and radiation | 124 | 32 | 26.9 | 17 | 53.1 | 12 | 70.6 | . | . | . | . | 1 | 0.9 | 4 | 3.7 |
| | | Unknown | 31 | 6 | 19.4 | 3 | 50.0 | 1 | 33.3 | . | . | . | . | . | . | . | . |

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³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|-----|---------------|-----|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 3537 | 865 | 25.4 | 445 | 51.4 | 238 | 53.5 | 88 | 2.9 | 69 | 2.3 | 42 | 1.4 | 239 | 7.7 |
| | Age at baseline | 18-19 | 377 | 46 | 13.1 | 25 | 54.3 | 11 | 44.0 | 9 | 2.7 | 5 | 1.5 | 2 | 0.6 | 14 | 4.3 |
| | | 20-24 | 1179 | 223 | 19.8 | 113 | 50.7 | 60 | 53.1 | 32 | 3.1 | 19 | 1.9 | 20 | 2.0 | 84 | 8.1 |
| | | 25-29 | 1084 | 294 | 28.0 | 162 | 55.1 | 90 | 55.6 | 25 | 2.7 | 20 | 2.2 | 10 | 1.1 | 83 | 8.8 |
| | | 30-34 | 623 | 203 | 33.1 | 99 | 48.8 | 50 | 50.5 | 17 | 3.1 | 17 | 3.2 | 10 | 1.9 | 43 | 7.8 |
| | | 35+ | 274 | 99 | 36.8 | 46 | 46.5 | 27 | 58.7 | 5 | 2.2 | 8 | 3.5 | . | . | 15 | 6.5 |
| | Years since diagnosis | 5-9 | 174 | 33 | 24.8 | 15 | 45.5 | 5 | 33.3 | 5 | 3.7 | 1 | 0.8 | 1 | 0.8 | 7 | 5.3 |
| | | 10-14 | 962 | 229 | 24.9 | 123 | 53.7 | 65 | 52.8 | 26 | 3.0 | 19 | 2.2 | 9 | 1.1 | 66 | 7.7 |
| | | 15-19 | 1329 | 317 | 24.5 | 168 | 53.0 | 95 | 56.5 | 28 | 2.4 | 20 | 1.7 | 16 | 1.4 | 92 | 7.8 |
| | | 20+ | 1072 | 286 | 27.0 | 139 | 48.6 | 73 | 52.5 | 29 | 3.2 | 29 | 3.2 | 16 | 1.8 | 74 | 8.1 |
| | Age at diagnosis | <1 | 81 | 10 | 12.5 | 5 | 50.0 | 3 | 60.0 | 3 | 4.3 | . | . | . | . | 3 | 4.3 |
| | | 1-4 | 724 | 127 | 18.0 | 73 | 57.5 | 39 | 53.4 | 20 | 3.2 | 17 | 2.8 | 15 | 2.4 | 50 | 8.0 |
| | | 5-9 | 1202 | 255 | 21.8 | 123 | 48.2 | 70 | 56.9 | 31 | 2.9 | 15 | 1.4 | 13 | 1.2 | 82 | 7.6 |
| | | 10-14 | 1052 | 311 | 30.7 | 161 | 51.8 | 77 | 47.8 | 21 | 2.3 | 23 | 2.6 | 13 | 1.4 | 73 | 7.9 |
| | | 15-20 | 478 | 162 | 36.8 | 83 | 51.2 | 49 | 59.0 | 13 | 3.3 | 14 | 3.6 | 1 | 0.3 | 31 | 7.7 |
| | Treatment | Surgery only | 1070 | 367 | 35.1 | 205 | 55.9 | 113 | 55.1 | 37 | 3.9 | 31 | 3.3 | 17 | 1.8 | 101 | 10.6 |
| | | Chemotherapy, no radiation | 245 | 61 | 26.0 | 27 | 44.3 | 19 | 70.4 | 8 | 4.3 | 2 | 1.1 | 2 | 1.1 | 19 | 10.0 |
| | | Radiation, no chemotherapy | 950 | 204 | 22.1 | 103 | 50.5 | 43 | 41.7 | 22 | 2.6 | 16 | 1.9 | 14 | 1.7 | 62 | 7.2 |
| | | Chemotherapy and radiation | 922 | 153 | 17.7 | 71 | 46.4 | 43 | 60.6 | 11 | 1.4 | 10 | 1.3 | 5 | 0.6 | 36 | 4.6 |
| | | Unknown | 350 | 80 | 23.5 | 39 | 48.8 | 20 | 51.3 | 10 | 3.3 | 10 | 3.3 | 4 | 1.4 | 21 | 7.0 |
| Males | All cases | | 1923 | 482 | 26.1 | 263 | 54.6 | 142 | 54.0 | 86 | 5.2 | 67 | 4.2 | 41 | 2.6 | 211 | 12.7 |
| | Age at baseline | 18-19 | 191 | 30 | 16.8 | 19 | 63.3 | 8 | 42.1 | 9 | 5.3 | 5 | 3.0 | 2 | 1.2 | 13 | 7.9 |
| | | 20-24 | 633 | 125 | 20.9 | 65 | 52.0 | 34 | 52.3 | 31 | 5.7 | 18 | 3.4 | 20 | 3.7 | 73 | 13.2 |
| | | 25-29 | 618 | 165 | 27.6 | 99 | 60.0 | 55 | 55.6 | 24 | 4.5 | 20 | 3.8 | 10 | 2.0 | 75 | 14.0 |
| | | 30-34 | 332 | 110 | 33.8 | 57 | 51.8 | 31 | 54.4 | 17 | 5.9 | 16 | 5.8 | 9 | 3.3 | 37 | 12.8 |
| | | 35+ | 149 | 52 | 35.6 | 23 | 44.2 | 14 | 60.9 | 5 | 4.3 | 8 | 7.1 | . | . | 13 | 10.9 |
| | Years since diagnosis | 5-9 | 100 | 21 | 27.3 | 9 | 42.9 | 2 | 22.2 | 5 | 6.5 | 1 | 1.4 | 1 | 1.4 | 6 | 7.9 |
| | | 10-14 | 516 | 114 | 23.3 | 70 | 61.4 | 38 | 54.3 | 24 | 5.3 | 17 | 3.8 | 9 | 2.1 | 58 | 12.8 |
| | | 15-19 | 722 | 176 | 25.1 | 101 | 57.4 | 54 | 53.5 | 28 | 4.5 | 20 | 3.3 | 16 | 2.6 | 79 | 12.5 |
| | | 20+ | 585 | 171 | 29.5 | 83 | 48.5 | 48 | 57.8 | 29 | 5.9 | 29 | 6.0 | 15 | 3.1 | 68 | 13.6 |
| | Age at diagnosis | <1 | 49 | 6 | 12.5 | 3 | 50.0 | 2 | 66.7 | 3 | 7.1 | . | . | . | . | 3 | 7.1 |
| | | 1-4 | 368 | 80 | 22.2 | 46 | 57.5 | 24 | 52.2 | 20 | 6.4 | 17 | 5.4 | 15 | 4.8 | 45 | 14.1 |
| | | 5-9 | 675 | 152 | 23.3 | 80 | 52.6 | 45 | 56.3 | 31 | 5.3 | 15 | 2.6 | 13 | 2.3 | 73 | 12.3 |
| | | 10-14 | 561 | 158 | 29.3 | 89 | 56.3 | 42 | 47.2 | 20 | 4.1 | 22 | 4.7 | 12 | 2.6 | 66 | 13.5 |
| | | 15-20 | 270 | 86 | 35.0 | 45 | 52.3 | 29 | 64.4 | 12 | 5.6 | 13 | 6.3 | 1 | 0.5 | 24 | 11.3 |
| | Treatment | Surgery only | 543 | 187 | 35.3 | 114 | 61.0 | 62 | 54.4 | 36 | 7.5 | 31 | 6.5 | 17 | 3.7 | 81 | 16.8 |
| | | Chemotherapy, no radiation | 135 | 36 | 28.1 | 17 | 47.2 | 14 | 82.4 | 8 | 7.8 | 2 | 2.0 | 2 | 2.0 | 17 | 16.5 |
| | | Radiation, no chemotherapy | 501 | 110 | 22.8 | 59 | 53.6 | 26 | 44.1 | 21 | 4.8 | 16 | 3.8 | 14 | 3.3 | 58 | 13.2 |
| | | Chemotherapy and radiation | 542 | 98 | 19.2 | 45 | 45.9 | 27 | 60.0 | 11 | 2.4 | 8 | 1.8 | 4 | 0.9 | 36 | 7.8 |
| | | Unknown | 202 | 51 | 25.9 | 28 | 54.9 | 13 | 46.4 | 10 | 5.8 | 10 | 6.0 | 4 | 2.4 | 19 | 11.0 |
| Females | All cases | | 1614 | 383 | 24.5 | 182 | 47.5 | 96 | 52.7 | 2 | 0.1 | 2 | 0.1 | 1 | 0.1 | 28 | 2.0 |
| | Age at baseline | 18-19 | 186 | 16 | 9.2 | 6 | 37.5 | 3 | 50.0 | . | . | . | . | . | . | 1 | 0.6 |
| | | 20-24 | 546 | 98 | 18.6 | 48 | 49.0 | 26 | 54.2 | 1 | 0.2 | 1 | 0.2 | . | . | 11 | 2.3 |

CCSS data from Jan2020 data freeze

Presented only for those age 18 and older at baseline, since questions did not appear on expansion under 18 questionnaire.

¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|-----|---------------|-----|-------|-----|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 25-29 | 466 | 129 | 28.6 | 63 | 48.8 | 35 | 55.6 | 1 | 0.2 | . | . | . | . | 8 | 2.0 |
| | | 30-34 | 291 | 93 | 32.3 | 42 | 45.2 | 19 | 45.2 | . | . | 1 | 0.4 | 1 | 0.4 | 6 | 2.3 |
| | | 35+ | 125 | 47 | 38.2 | 23 | 48.9 | 13 | 56.5 | . | . | . | . | . | . | 2 | 1.8 |
| | Years since diagnosis | 5-9 | 74 | 12 | 21.4 | 6 | 50.0 | 3 | 50.0 | . | . | . | . | . | . | 1 | 1.8 |
| | | 10-14 | 446 | 115 | 26.7 | 53 | 46.1 | 27 | 50.9 | 2 | 0.5 | 2 | 0.5 | . | . | 8 | 2.0 |
| | | 15-19 | 607 | 141 | 23.7 | 67 | 47.5 | 41 | 61.2 | . | . | . | . | . | . | 13 | 2.4 |
| | | 20+ | 487 | 115 | 23.9 | 56 | 48.7 | 25 | 44.6 | . | . | . | . | 1 | 0.2 | 6 | 1.4 |
| | Age at diagnosis | <1 | 32 | 4 | 12.5 | 2 | 50.0 | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | | 1-4 | 356 | 47 | 13.7 | 27 | 57.4 | 15 | 55.6 | . | . | . | . | . | . | 5 | 1.7 |
| | | 5-9 | 527 | 103 | 19.8 | 43 | 41.7 | 25 | 58.1 | . | . | . | . | . | . | 9 | 1.9 |
| | | 10-14 | 491 | 153 | 32.3 | 72 | 47.1 | 35 | 48.6 | 1 | 0.2 | 1 | 0.2 | 1 | 0.2 | 7 | 1.6 |
| | | 15-20 | 208 | 76 | 39.2 | 38 | 50.0 | 20 | 52.6 | 1 | 0.5 | 1 | 0.5 | . | . | 7 | 3.7 |
| | Treatment | Surgery only | 527 | 180 | 34.7 | 91 | 50.6 | 51 | 56.0 | 1 | 0.2 | . | . | . | . | 20 | 4.2 |
| | | Chemotherapy, no radiation | 110 | 25 | 23.4 | 10 | 40.0 | 5 | 50.0 | . | . | . | . | . | . | 2 | 2.3 |
| | | Radiation, no chemotherapy | 449 | 94 | 21.3 | 44 | 46.8 | 17 | 38.6 | 1 | 0.2 | . | . | . | . | 4 | 1.0 |
| | | Chemotherapy and radiation | 380 | 55 | 15.6 | 26 | 47.3 | 16 | 61.5 | . | . | 2 | 0.6 | 1 | 0.3 | . | . |
| | | Unknown | 148 | 29 | 20.1 | 11 | 37.9 | 7 | 63.6 | . | . | . | . | . | . | 2 | 1.5 |

CCSS data from Jan2020 data freeze

Presented only for those age 18 and older at baseline, since questions did not appear on expansion under 18 questionnaire.

¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|-------|---------------------------------|-----|---------------|-----|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 2160 | 570 | 27.3 | 301 | 52.8 | 155 | 51.5 | 61 | 3.2 | 42 | 2.3 | 29 | 1.6 | 153 | 8.0 |
| | Age at baseline | 18-19 | 215 | 34 | 16.7 | 19 | 55.9 | 8 | 42.1 | 8 | 4.2 | 4 | 2.1 | 2 | 1.1 | 9 | 4.7 |
| | | 20-24 | 713 | 157 | 23.0 | 80 | 51.0 | 44 | 55.0 | 21 | 3.4 | 11 | 1.8 | 16 | 2.6 | 59 | 9.3 |
| | | 25-29 | 664 | 193 | 30.1 | 110 | 57.0 | 54 | 49.1 | 20 | 3.5 | 11 | 2.0 | 6 | 1.1 | 54 | 9.4 |
| | | 30-34 | 386 | 124 | 32.7 | 64 | 51.6 | 34 | 53.1 | 12 | 3.6 | 12 | 3.6 | 5 | 1.5 | 22 | 6.4 |
| | | 35+ | 182 | 62 | 34.4 | 28 | 45.2 | 15 | 53.6 | . | . | 4 | 2.6 | . | . | 9 | 5.7 |
| | Years since diagnosis | 5-9 | 96 | 22 | 31.4 | 8 | 36.4 | 2 | 25.0 | 3 | 4.2 | . | . | 1 | 1.4 | 5 | 7.0 |
| | | 10-14 | 570 | 141 | 25.7 | 79 | 56.0 | 36 | 45.6 | 21 | 4.1 | 11 | 2.2 | 6 | 1.2 | 40 | 7.9 |
| | | 15-19 | 780 | 203 | 26.5 | 109 | 53.7 | 62 | 56.9 | 18 | 2.6 | 11 | 1.6 | 12 | 1.8 | 55 | 7.8 |
| | | 20+ | 714 | 204 | 28.9 | 105 | 51.5 | 55 | 52.4 | 19 | 3.1 | 20 | 3.3 | 10 | 1.7 | 53 | 8.6 |
| | Age at diagnosis | <1 | 56 | 8 | 14.5 | 3 | 37.5 | 2 | 66.7 | 2 | 4.3 | . | . | . | . | 2 | 4.2 |
| | | 1-4 | 463 | 98 | 21.6 | 58 | 59.2 | 30 | 51.7 | 15 | 3.8 | 12 | 3.0 | 14 | 3.5 | 36 | 9.0 |
| | | 5-9 | 702 | 177 | 25.8 | 88 | 49.7 | 48 | 54.5 | 21 | 3.3 | 10 | 1.6 | 5 | 0.8 | 53 | 8.3 |
| | | 10-14 | 636 | 193 | 31.3 | 106 | 54.9 | 49 | 46.2 | 16 | 2.9 | 13 | 2.4 | 9 | 1.7 | 47 | 8.3 |
| | | 15-20 | 303 | 94 | 34.1 | 46 | 48.9 | 26 | 56.5 | 7 | 2.8 | 7 | 2.9 | 1 | 0.4 | 15 | 6.0 |
| | Treatment | Surgery only | 892 | 297 | 33.9 | 166 | 55.9 | 92 | 55.4 | 33 | 4.2 | 22 | 2.8 | 13 | 1.7 | 78 | 9.8 |
| | | Chemotherapy, no radiation | 179 | 47 | 27.8 | 18 | 38.3 | 12 | 66.7 | 5 | 3.6 | . | . | 2 | 1.4 | 13 | 9.1 |
| | | Radiation, no chemotherapy | 597 | 129 | 22.3 | 67 | 51.9 | 25 | 37.3 | 15 | 2.8 | 13 | 2.5 | 10 | 1.9 | 40 | 7.4 |
| | | Chemotherapy and radiation | 269 | 41 | 16.6 | 19 | 46.3 | 12 | 63.2 | 3 | 1.3 | 3 | 1.4 | 1 | 0.4 | 9 | 4.0 |
| | | Unknown | 223 | 56 | 25.7 | 31 | 55.4 | 14 | 45.2 | 5 | 2.6 | 4 | 2.1 | 3 | 1.6 | 13 | 6.7 |
| Males | All cases | | 1126 | 306 | 28.3 | 177 | 57.8 | 91 | 51.4 | 59 | 6.1 | 41 | 4.3 | 29 | 3.1 | 136 | 13.8 |
| | Age at baseline | 18-19 | 109 | 22 | 21.2 | 14 | 63.6 | 6 | 42.9 | 8 | 8.1 | 4 | 4.0 | 2 | 2.1 | 9 | 9.4 |
| | | 20-24 | 354 | 83 | 24.9 | 47 | 56.6 | 26 | 55.3 | 20 | 6.5 | 11 | 3.6 | 16 | 5.2 | 52 | 16.5 |
| | | 25-29 | 371 | 106 | 29.5 | 66 | 62.3 | 32 | 48.5 | 19 | 6.0 | 11 | 3.5 | 6 | 2.0 | 49 | 15.1 |
| | | 30-34 | 195 | 63 | 33.3 | 36 | 57.1 | 20 | 55.6 | 12 | 7.2 | 11 | 6.9 | 5 | 3.1 | 18 | 10.7 |
| | | 35+ | 97 | 32 | 33.7 | 14 | 43.8 | 7 | 50.0 | . | . | 4 | 5.4 | . | . | 8 | 10.0 |
| | Years since diagnosis | 5-9 | 50 | 11 | 28.9 | 3 | 27.3 | . | . | 3 | 7.7 | . | . | 1 | 2.6 | 4 | 10.3 |
| | | 10-14 | 301 | 73 | 25.7 | 51 | 69.9 | 25 | 49.0 | 19 | 7.2 | 10 | 3.9 | 6 | 2.4 | 37 | 14.1 |
| | | 15-19 | 396 | 104 | 27.0 | 61 | 58.7 | 32 | 52.5 | 18 | 5.2 | 11 | 3.3 | 12 | 3.6 | 48 | 13.4 |
| | | 20+ | 379 | 118 | 31.6 | 62 | 52.5 | 34 | 54.8 | 19 | 6.0 | 20 | 6.3 | 10 | 3.2 | 47 | 14.4 |
| | Age at diagnosis | <1 | 35 | 5 | 14.7 | 2 | 40.0 | 2 | 100.0 | 2 | 6.9 | . | . | . | . | 2 | 6.7 |
| | | 1-4 | 223 | 60 | 27.3 | 37 | 61.7 | 19 | 51.4 | 15 | 7.9 | 12 | 6.3 | 14 | 7.4 | 33 | 16.8 |
| | | 5-9 | 376 | 100 | 27.6 | 55 | 55.0 | 28 | 50.9 | 21 | 6.3 | 10 | 3.0 | 5 | 1.5 | 47 | 13.9 |
| | | 10-14 | 325 | 95 | 30.2 | 58 | 61.1 | 26 | 44.8 | 15 | 5.3 | 13 | 4.7 | 9 | 3.3 | 41 | 14.1 |
| | | 15-20 | 167 | 46 | 30.7 | 25 | 54.3 | 16 | 64.0 | 6 | 4.6 | 6 | 4.8 | 1 | 0.8 | 13 | 9.9 |
| | Treatment | Surgery only | 448 | 147 | 33.6 | 92 | 62.6 | 50 | 54.3 | 32 | 8.1 | 22 | 5.6 | 13 | 3.4 | 65 | 16.3 |
| | | Chemotherapy, no radiation | 102 | 28 | 29.5 | 11 | 39.3 | 9 | 81.8 | 5 | 6.2 | . | . | 2 | 2.6 | 12 | 14.5 |
| | | Radiation, no chemotherapy | 304 | 73 | 25.2 | 42 | 57.5 | 17 | 40.5 | 14 | 5.3 | 13 | 5.1 | 10 | 3.9 | 38 | 14.1 |
| | | Chemotherapy and radiation | 148 | 23 | 16.8 | 11 | 47.8 | 7 | 63.6 | 3 | 2.5 | 2 | 1.7 | 1 | 0.8 | 9 | 7.2 |
| | | Unknown | 124 | 35 | 28.7 | 21 | 60.0 | 8 | 38.1 | 5 | 4.6 | 4 | 3.8 | 3 | 2.9 | 12 | 11.0 |
| Females | All cases | | 1034 | 264 | 26.2 | 124 | 47.0 | 64 | 51.6 | 2 | 0.2 | 1 | 0.1 | . | . | 17 | 1.9 |
| | Age at baseline | 18-19 | 106 | 12 | 12.0 | 5 | 41.7 | 2 | 40.0 | . | . | . | . | . | . | . | . |
| | | 20-24 | 359 | 74 | 21.2 | 33 | 44.6 | 18 | 54.5 | 1 | 0.3 | . | . | . | . | 7 | 2.2 |

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¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

³ For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|-----|---------------|-----|-------|---|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 25-29 | 293 | 87 | 30.7 | 44 | 50.6 | 22 | 50.0 | 1 | 0.4 | . | . | . | . | 5 | 2.0 |
| | | 30-34 | 191 | 61 | 32.1 | 28 | 45.9 | 14 | 50.0 | . | . | 1 | 0.6 | . | . | 4 | 2.3 |
| | | 35+ | 85 | 30 | 35.3 | 14 | 46.7 | 8 | 57.1 | . | . | . | . | . | . | 1 | 1.3 |
| | Years since diagnosis | 5-9 | 46 | 11 | 34.4 | 5 | 45.5 | 2 | 40.0 | . | . | . | . | . | . | 1 | 3.1 |
| | | 10-14 | 269 | 68 | 25.8 | 28 | 41.2 | 11 | 39.3 | 2 | 0.8 | 1 | 0.4 | . | . | 3 | 1.2 |
| | | 15-19 | 384 | 99 | 26.1 | 48 | 48.5 | 30 | 62.5 | . | . | . | . | . | . | 7 | 2.0 |
| | | 20+ | 335 | 86 | 26.0 | 43 | 50.0 | 21 | 48.8 | . | . | . | . | . | . | 6 | 2.1 |
| | Age at diagnosis | <1 | 21 | 3 | 14.3 | 1 | 33.3 | . | . | . | . | . | . | . | . | . | . |
| | | 1-4 | 240 | 38 | 16.3 | 21 | 55.3 | 11 | 52.4 | . | . | . | . | . | . | 3 | 1.5 |
| | | 5-9 | 326 | 77 | 23.7 | 33 | 42.9 | 20 | 60.6 | . | . | . | . | . | . | 6 | 2.0 |
| | | 10-14 | 311 | 98 | 32.5 | 48 | 49.0 | 23 | 47.9 | 1 | 0.4 | . | . | . | . | 6 | 2.2 |
| | | 15-20 | 136 | 48 | 38.1 | 21 | 43.8 | 10 | 47.6 | 1 | 0.9 | 1 | 0.8 | . | . | 2 | 1.7 |
| | Treatment | Surgery only | 444 | 150 | 34.2 | 74 | 49.3 | 42 | 56.8 | 1 | 0.3 | . | . | . | . | 13 | 3.3 |
| | | Chemotherapy, no radiation | 77 | 19 | 25.7 | 7 | 36.8 | 3 | 42.9 | . | . | . | . | . | . | 1 | 1.7 |
| | | Radiation, no chemotherapy | 293 | 56 | 19.4 | 25 | 44.6 | 8 | 32.0 | 1 | 0.4 | . | . | . | . | 2 | 0.7 |
| | | Chemotherapy and radiation | 121 | 18 | 16.4 | 8 | 44.4 | 5 | 62.5 | . | . | 1 | 1.0 | . | . | . | . |
| | | Unknown | 99 | 21 | 21.9 | 10 | 47.6 | 6 | 60.0 | . | . | . | . | . | . | 1 | 1.2 |

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² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|-------|---------------------------------------|-------|---------------------------------|------|---------------|------|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 794 | 132 | 17.4 | 66 | 50.0 | 39 | 59.1 | 13 | 1.9 | 13 | 1.9 | 7 | 1.1 | 41 | 6.1 |
| | Age at baseline | 18-19 | 83 | 5 | 6.7 | 2 | 40.0 | 1 | 50.0 | . | . | 1 | 1.4 | . | . | 2 | 2.9 |
| | | 20-24 | 291 | 30 | 10.9 | 11 | 36.7 | 7 | 63.6 | 8 | 3.2 | 4 | 1.6 | 1 | 0.4 | 12 | 4.8 |
| | | 25-29 | 252 | 52 | 21.1 | 30 | 57.7 | 22 | 73.3 | 2 | 0.9 | 4 | 1.8 | 4 | 1.8 | 15 | 6.8 |
| | | 30-34 | 131 | 31 | 24.2 | 17 | 54.8 | 6 | 35.3 | 1 | 0.9 | 1 | 0.9 | 2 | 1.8 | 10 | 9.2 |
| | | 35+ | 37 | 14 | 38.9 | 6 | 42.9 | 3 | 50.0 | 2 | 7.7 | 3 | 11.5 | . | . | 2 | 8.0 |
| | Years since diagnosis | 5-9 | 32 | 4 | 17.4 | 1 | 25.0 | 1 | 100.0 | . | . | . | . | . | . | . | . |
| | | 10-14 | 219 | 42 | 20.1 | 20 | 47.6 | 14 | 70.0 | 4 | 2.1 | 5 | 2.6 | 1 | 0.5 | 12 | 6.2 |
| | | 15-19 | 326 | 49 | 15.7 | 27 | 55.1 | 15 | 55.6 | 4 | 1.4 | 5 | 1.8 | 3 | 1.1 | 16 | 5.7 |
| | | 20+ | 217 | 37 | 17.1 | 18 | 48.6 | 9 | 50.0 | 5 | 2.8 | 3 | 1.7 | 3 | 1.7 | 13 | 7.2 |
| | Age at diagnosis | <1 | 9 | 1 | 11.1 | 1 | 100.0 | 1 | 100.0 | 1 | 11.1 | . | . | . | . | 1 | 12.5 |
| | | 1-4 | 161 | 10 | 6.5 | 5 | 50.0 | 3 | 60.0 | 2 | 1.5 | 2 | 1.5 | . | . | 6 | 4.4 |
| | | 5-9 | 342 | 47 | 14.2 | 23 | 48.9 | 16 | 69.6 | 8 | 2.7 | 3 | 1.0 | 4 | 1.4 | 18 | 6.1 |
| | | 10-14 | 220 | 52 | 24.9 | 27 | 51.9 | 13 | 48.1 | 1 | 0.5 | 5 | 2.7 | 3 | 1.6 | 10 | 5.4 |
| | | 15-20 | 62 | 22 | 39.3 | 10 | 45.5 | 6 | 60.0 | 1 | 2.0 | 3 | 6.1 | . | . | 6 | 11.8 |
| | Treatment | Surgery only | 8 | 2 | 25.0 | 2 | 100.0 | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 35 | 7 | 20.0 | 5 | 71.4 | 4 | 80.0 | 2 | 7.7 | 2 | 7.7 | . | . | 4 | 16.0 |
| | | Radiation, no chemotherapy | 161 | 26 | 16.4 | 17 | 65.4 | 9 | 52.9 | 1 | 0.7 | 1 | 0.7 | 2 | 1.4 | 6 | 4.1 |
| | | Chemotherapy and radiation | 527 | 88 | 17.7 | 40 | 45.5 | 24 | 60.0 | 8 | 1.8 | 7 | 1.6 | 4 | 0.9 | 24 | 5.4 |
| | | Unknown | 63 | 9 | 15.0 | 2 | 22.2 | 2 | 100.0 | 2 | 3.9 | 3 | 5.8 | 1 | 2.0 | 7 | 13.5 |
| Males | All cases | | 485 | 87 | 18.8 | 42 | 48.3 | 27 | 64.3 | 13 | 3.2 | 12 | 3.0 | 6 | 1.5 | 40 | 9.8 |
| | Age at baseline | 18-19 | 47 | 3 | 7.3 | 1 | 33.3 | . | . | . | . | 1 | 2.6 | . | . | 2 | 5.4 |
| | | 20-24 | 185 | 21 | 12.0 | 6 | 28.6 | 4 | 66.7 | 8 | 5.1 | 3 | 2.0 | 1 | 0.7 | 11 | 7.1 |
| | | 25-29 | 157 | 38 | 25.0 | 22 | 57.9 | 17 | 77.3 | 2 | 1.5 | 4 | 3.0 | 4 | 3.0 | 15 | 11.0 |
| | | 30-34 | 73 | 16 | 22.2 | 9 | 56.3 | 4 | 44.4 | 1 | 1.6 | 1 | 1.6 | 1 | 1.6 | 10 | 15.6 |
| | | 35+ | 23 | 9 | 39.1 | 4 | 44.4 | 2 | 50.0 | 2 | 14.3 | 3 | 20.0 | . | . | 2 | 14.3 |
| | Years since diagnosis | 5-9 | 21 | 4 | 26.7 | 1 | 25.0 | 1 | 100.0 | . | . | . | . | . | . | . | . |
| | | 10-14 | 128 | 22 | 18.3 | 9 | 40.9 | 7 | 77.8 | 4 | 3.6 | 4 | 3.7 | 1 | 1.0 | 11 | 10.0 |
| | | 15-19 | 205 | 37 | 18.7 | 21 | 56.8 | 12 | 57.1 | 4 | 2.3 | 5 | 2.9 | 3 | 1.8 | 16 | 9.2 |
| | | 20+ | 131 | 24 | 18.5 | 11 | 45.8 | 7 | 63.6 | 5 | 4.6 | 3 | 2.7 | 2 | 1.9 | 13 | 11.7 |
| | Age at diagnosis | <1 | 5 | . | . | . | . | . | . | 1 | 20.0 | . | . | . | . | 1 | 25.0 |
| | | 1-4 | 97 | 8 | 8.5 | 3 | 37.5 | 2 | 66.7 | 2 | 2.4 | 2 | 2.4 | . | . | 6 | 7.2 |
| | | 5-9 | 220 | 35 | 16.6 | 17 | 48.6 | 12 | 70.6 | 8 | 4.3 | 3 | 1.6 | 4 | 2.2 | 17 | 9.1 |
| | | 10-14 | 126 | 29 | 24.4 | 14 | 48.3 | 8 | 57.1 | 1 | 1.0 | 4 | 3.8 | 2 | 2.0 | 10 | 9.5 |
| | | 15-20 | 37 | 15 | 44.1 | 8 | 53.3 | 5 | 62.5 | 1 | 3.7 | 3 | 11.5 | . | . | 6 | 21.4 |
| | Treatment | Surgery only | 5 | 2 | 40.0 | 2 | 100.0 | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 20 | 5 | 25.0 | 3 | 60.0 | 3 | 100.0 | 2 | 14.3 | 2 | 14.3 | . | . | 4 | 30.8 |
| | | Radiation, no chemotherapy | 90 | 13 | 14.8 | 9 | 69.2 | 6 | 66.7 | 1 | 1.3 | 1 | 1.3 | 2 | 2.6 | 6 | 7.5 |
| | | Chemotherapy and radiation | 331 | 61 | 19.4 | 26 | 42.6 | 16 | 61.5 | 8 | 2.9 | 6 | 2.2 | 3 | 1.1 | 24 | 8.5 |
| | | Unknown | 39 | 6 | 16.7 | 2 | 33.3 | 2 | 100.0 | 2 | 6.9 | 3 | 10.0 | 1 | 3.6 | 6 | 20.0 |
| Females | All cases | | 309 | 45 | 15.2 | 24 | 53.3 | 12 | 50.0 | . | . | 1 | 0.4 | 1 | 0.4 | 1 | 0.4 |
| | Age at baseline | 18-19 | 36 | 2 | 5.9 | 1 | 50.0 | 1 | 100.0 | . | . | . | . | . | . | . | . |
| | | 20-24 | 106 | 9 | 9.0 | 5 | 55.6 | 3 | 60.0 | . | . | 1 | 1.1 | . | . | 1 | 1.1 |

CCSS data from Jan2020 data freeze

Presented only for those age 18 and older at baseline, since questions did not appear on expansion under 18 questionnaire.

¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | Cigarette smoking: | | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------------------|----|--|----|---------------------------------------|---|-----------------|---------------------------------|---------------|---|-------|---|--------|---|-----|
| | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 25-29 | 95 | 14 | 14.9 | 8 | 57.1 | 5 | 62.5 | . | . | . | . | . | . | . | . |
| | | 30-34 | 58 | 15 | 26.8 | 8 | 53.3 | 2 | 25.0 | . | . | . | . | 1 | 2.1 | . | . |
| | | 35+ | 14 | 5 | 38.5 | 2 | 40.0 | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | Years since diagnosis | 5-9 | 11 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 10-14 | 91 | 20 | 22.5 | 11 | 55.0 | 7 | 63.6 | . | . | 1 | 1.2 | . | . | 1 | 1.2 |
| | | 15-19 | 121 | 12 | 10.5 | 6 | 50.0 | 3 | 50.0 | . | . | . | . | . | . | . | . |
| | | 20+ | 86 | 13 | 15.1 | 7 | 53.8 | 2 | 28.6 | . | . | . | . | 1 | 1.4 | . | . |
| | Age at diagnosis | <1 | 4 | 1 | 25.0 | 1 | 100.0 | 1 | 100.0 | . | . | . | . | . | . | . | . |
| | | 1-4 | 64 | 2 | 3.3 | 2 | 100.0 | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | | 5-9 | 122 | 12 | 10.0 | 6 | 50.0 | 4 | 66.7 | . | . | . | . | . | . | 1 | 0.9 |
| | | 10-14 | 94 | 23 | 25.6 | 13 | 56.5 | 5 | 38.5 | . | . | 1 | 1.2 | 1 | 1.2 | . | . |
| | | 15-20 | 25 | 7 | 31.8 | 2 | 28.6 | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | Treatment | Surgery only | 3 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 15 | 2 | 13.3 | 2 | 100.0 | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | | Radiation, no chemotherapy | 71 | 13 | 18.3 | 8 | 61.5 | 3 | 37.5 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 196 | 27 | 14.7 | 14 | 51.9 | 8 | 57.1 | . | . | 1 | 0.6 | 1 | 0.6 | . | . |
| | | Unknown | 24 | 3 | 12.5 | . | . | . | . | . | . | . | . | . | . | 1 | 4.5 |

CCSS data from Jan2020 data freeze

Presented only for those age 18 and older at baseline, since questions did not appear on expansion under 18 questionnaire.

¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

³ For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|------|---------------|-----|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 3046 | 1108 | 37.1 | 497 | 44.9 | 250 | 50.3 | 105 | 3.9 | 84 | 3.1 | 24 | 0.9 | 239 | 8.7 |
| | Age at baseline | 18-19 | 62 | 13 | 22.0 | 9 | 69.2 | 4 | 44.4 | 3 | 5.4 | 1 | 1.8 | 1 | 1.8 | 6 | 10.2 |
| | | 20-24 | 376 | 113 | 31.9 | 64 | 56.6 | 34 | 53.1 | 17 | 5.1 | 6 | 1.9 | 4 | 1.3 | 28 | 8.5 |
| | | 25-29 | 798 | 268 | 34.1 | 131 | 48.9 | 69 | 52.7 | 33 | 4.6 | 26 | 3.6 | 4 | 0.6 | 72 | 10.0 |
| | | 30-34 | 949 | 367 | 39.3 | 161 | 43.9 | 75 | 46.6 | 33 | 3.8 | 26 | 3.1 | 11 | 1.3 | 78 | 9.0 |
| | | 35+ | 861 | 347 | 40.5 | 132 | 38.0 | 68 | 51.5 | 19 | 2.5 | 25 | 3.3 | 4 | 0.5 | 55 | 7.2 |
| | Years since diagnosis | 5-9 | 206 | 51 | 27.3 | 15 | 29.4 | 8 | 53.3 | 7 | 3.9 | 1 | 0.6 | 2 | 1.1 | 7 | 3.9 |
| | | 10-14 | 922 | 302 | 33.6 | 139 | 46.0 | 76 | 54.7 | 28 | 3.3 | 20 | 2.4 | 8 | 1.0 | 83 | 9.7 |
| | | 15-19 | 1010 | 370 | 37.0 | 177 | 47.8 | 88 | 49.7 | 34 | 3.8 | 33 | 3.7 | 7 | 0.8 | 90 | 9.9 |
| | | 20+ | 908 | 385 | 42.7 | 166 | 43.1 | 78 | 47.0 | 36 | 4.5 | 30 | 3.8 | 7 | 0.9 | 59 | 7.4 |
| | Age at diagnosis | 1-4 | 68 | 23 | 33.8 | 18 | 78.3 | 10 | 55.6 | 2 | 3.4 | . | . | 1 | 1.8 | 8 | 13.8 |
| | | 5-9 | 381 | 134 | 35.8 | 81 | 60.4 | 34 | 42.0 | 22 | 6.5 | 14 | 4.2 | 4 | 1.2 | 31 | 9.2 |
| | | 10-14 | 1113 | 402 | 36.8 | 198 | 49.3 | 102 | 51.5 | 52 | 5.2 | 37 | 3.8 | 9 | 0.9 | 89 | 8.9 |
| | | 15-20 | 1484 | 549 | 37.7 | 200 | 36.4 | 104 | 52.0 | 29 | 2.2 | 33 | 2.5 | 10 | 0.8 | 111 | 8.2 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 357 | 132 | 37.7 | 61 | 46.2 | 35 | 57.4 | 10 | 3.2 | 10 | 3.3 | 3 | 1.0 | 30 | 9.9 |
| | | Radiation, no chemotherapy | 641 | 238 | 37.6 | 119 | 50.0 | 55 | 46.2 | 25 | 4.2 | 22 | 3.7 | 7 | 1.2 | 47 | 7.8 |
| | | Chemotherapy and radiation | 1720 | 602 | 35.7 | 251 | 41.7 | 132 | 52.6 | 62 | 4.1 | 45 | 3.0 | 12 | 0.8 | 135 | 8.8 |
| | | Unknown | 326 | 136 | 42.5 | 66 | 48.5 | 28 | 42.4 | 8 | 2.8 | 7 | 2.5 | 2 | 0.7 | 27 | 9.2 |
| Males | All cases | | 1585 | 602 | 38.9 | 287 | 47.7 | 135 | 47.0 | 101 | 7.3 | 84 | 6.2 | 24 | 1.8 | 219 | 15.8 |
| | Age at baseline | 18-19 | 49 | 10 | 21.3 | 8 | 80.0 | 4 | 50.0 | 3 | 6.8 | 1 | 2.3 | 1 | 2.2 | 6 | 12.8 |
| | | 20-24 | 239 | 85 | 38.1 | 50 | 58.8 | 23 | 46.0 | 17 | 8.3 | 6 | 3.1 | 4 | 2.1 | 26 | 12.9 |
| | | 25-29 | 445 | 151 | 34.7 | 74 | 49.0 | 36 | 48.6 | 31 | 7.8 | 26 | 6.6 | 4 | 1.1 | 68 | 17.2 |
| | | 30-34 | 480 | 197 | 41.6 | 95 | 48.2 | 43 | 45.3 | 32 | 7.6 | 26 | 6.3 | 11 | 2.7 | 70 | 16.5 |
| | | 35+ | 372 | 159 | 43.2 | 60 | 37.7 | 29 | 48.3 | 18 | 5.7 | 25 | 8.1 | 4 | 1.3 | 49 | 15.3 |
| | Years since diagnosis | 5-9 | 111 | 30 | 30.9 | 11 | 36.7 | 4 | 36.4 | 6 | 6.5 | 1 | 1.1 | 2 | 2.2 | 7 | 7.6 |
| | | 10-14 | 473 | 163 | 35.5 | 79 | 48.5 | 45 | 57.0 | 28 | 6.6 | 20 | 4.8 | 8 | 2.0 | 79 | 18.4 |
| | | 15-19 | 539 | 205 | 38.5 | 104 | 50.7 | 47 | 45.2 | 32 | 6.9 | 33 | 7.2 | 7 | 1.6 | 79 | 16.7 |
| | | 20+ | 462 | 204 | 44.6 | 93 | 45.6 | 39 | 41.9 | 35 | 8.8 | 30 | 7.7 | 7 | 1.9 | 54 | 13.7 |
| | Age at diagnosis | 1-4 | 49 | 18 | 36.7 | 14 | 77.8 | 7 | 50.0 | 2 | 4.8 | . | . | 1 | 2.5 | 7 | 16.7 |
| | | 5-9 | 276 | 103 | 38.0 | 65 | 63.1 | 26 | 40.0 | 21 | 8.5 | 14 | 5.9 | 4 | 1.7 | 29 | 12.0 |
| | | 10-14 | 576 | 218 | 38.7 | 112 | 51.4 | 51 | 45.5 | 52 | 10.3 | 37 | 7.6 | 9 | 1.9 | 80 | 15.9 |
| | | 15-20 | 684 | 263 | 39.7 | 96 | 36.5 | 51 | 53.1 | 26 | 4.4 | 33 | 5.7 | 10 | 1.7 | 103 | 17.1 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 182 | 67 | 37.9 | 35 | 52.2 | 17 | 48.6 | 9 | 5.7 | 10 | 6.8 | 3 | 2.1 | 26 | 17.3 |
| | | Radiation, no chemotherapy | 328 | 134 | 41.7 | 71 | 53.0 | 34 | 47.9 | 25 | 8.5 | 22 | 7.5 | 7 | 2.5 | 46 | 15.5 |
| | | Chemotherapy and radiation | 881 | 324 | 37.7 | 139 | 42.9 | 72 | 51.8 | 59 | 7.7 | 45 | 6.1 | 12 | 1.7 | 123 | 15.9 |
| | | Unknown | 193 | 77 | 41.2 | 42 | 54.5 | 12 | 28.6 | 8 | 4.7 | 7 | 4.2 | 2 | 1.2 | 24 | 14.1 |
| Females | All cases | | 1461 | 506 | 35.1 | 210 | 41.5 | 115 | 54.8 | 4 | 0.3 | . | . | . | . | 20 | 1.5 |
| | Age at baseline | 18-19 | 13 | 3 | 25.0 | 1 | 33.3 | . | . | . | . | . | . | . | . | . | . |
| | | 20-24 | 137 | 28 | 21.4 | 14 | 50.0 | 11 | 78.6 | . | . | . | . | . | . | 2 | 1.6 |
| | | 25-29 | 353 | 117 | 33.4 | 57 | 48.7 | 33 | 57.9 | 2 | 0.6 | . | . | . | . | 4 | 1.2 |
| | | 30-34 | 469 | 170 | 36.8 | 66 | 38.8 | 32 | 48.5 | 1 | 0.2 | . | . | . | . | 8 | 1.8 |

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| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|-------|---------------------------------|-----|---------------|---|-------|---|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 35+ | 489 | 188 | 38.5 | 72 | 38.3 | 39 | 54.2 | 1 | 0.2 | . | . | . | . | 6 | 1.4 |
| | Years since diagnosis | 5-9 | 95 | 21 | 23.3 | 4 | 19.0 | 4 | 100.0 | 1 | 1.1 | . | . | . | . | . | . |
| | | 10-14 | 449 | 139 | 31.5 | 60 | 43.2 | 31 | 51.7 | . | . | . | . | . | . | 4 | 0.9 |
| | | 15-19 | 471 | 165 | 35.3 | 73 | 44.2 | 41 | 56.2 | 2 | 0.5 | . | . | . | . | 11 | 2.5 |
| | | 20+ | 446 | 181 | 40.7 | 73 | 40.3 | 39 | 53.4 | 1 | 0.3 | . | . | . | . | 5 | 1.3 |
| | Age at diagnosis | 1-4 | 19 | 5 | 26.3 | 4 | 80.0 | 3 | 75.0 | . | . | . | . | . | . | 1 | 6.3 |
| | | 5-9 | 105 | 31 | 30.1 | 16 | 51.6 | 8 | 50.0 | 1 | 1.1 | . | . | . | . | 2 | 2.1 |
| | | 10-14 | 537 | 184 | 34.8 | 86 | 46.7 | 51 | 59.3 | . | . | . | . | . | . | 9 | 1.8 |
| | | 15-20 | 800 | 286 | 36.1 | 104 | 36.4 | 53 | 51.0 | 3 | 0.4 | . | . | . | . | 8 | 1.1 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 175 | 65 | 37.6 | 26 | 40.0 | 18 | 69.2 | 1 | 0.7 | . | . | . | . | 4 | 2.6 |
| | | Radiation, no chemotherapy | 313 | 104 | 33.3 | 48 | 46.2 | 21 | 43.8 | . | . | . | . | . | . | 1 | 0.3 |
| | | Chemotherapy and radiation | 839 | 278 | 33.7 | 112 | 40.3 | 60 | 53.6 | 3 | 0.4 | . | . | . | . | 12 | 1.6 |
| | | Unknown | 133 | 59 | 44.4 | 24 | 40.7 | 16 | 66.7 | . | . | . | . | . | . | 3 | 2.4 |

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n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|-------|---------------------------------|------|---------------|-----|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1902 | 659 | 35.3 | 342 | 51.9 | 182 | 53.2 | 124 | 7.6 | 78 | 4.8 | 35 | 2.2 | 201 | 12.0 |
| | Age at baseline | 18-19 | 132 | 20 | 15.7 | 14 | 70.0 | 9 | 64.3 | 11 | 9.0 | 8 | 6.7 | 5 | 4.2 | 7 | 5.7 |
| | | 20-24 | 469 | 137 | 30.0 | 86 | 62.8 | 43 | 50.0 | 28 | 6.8 | 17 | 4.2 | 13 | 3.2 | 46 | 11.0 |
| | | 25-29 | 569 | 203 | 36.4 | 108 | 53.2 | 58 | 53.7 | 42 | 8.5 | 29 | 6.0 | 8 | 1.7 | 61 | 12.1 |
| | | 30-34 | 483 | 200 | 41.8 | 94 | 47.0 | 50 | 53.2 | 36 | 8.7 | 19 | 4.6 | 8 | 2.0 | 52 | 12.5 |
| | | 35+ | 249 | 99 | 40.1 | 40 | 40.4 | 22 | 55.0 | 7 | 3.5 | 5 | 2.6 | 1 | 0.5 | 35 | 16.7 |
| | Years since diagnosis | 5-9 | 74 | 15 | 22.7 | 4 | 26.7 | . | . | . | . | 3 | 5.0 | 1 | 1.7 | 4 | 6.6 |
| | | 10-14 | 543 | 165 | 31.2 | 91 | 55.2 | 50 | 54.9 | 41 | 8.3 | 28 | 5.7 | 10 | 2.1 | 44 | 8.9 |
| | | 15-19 | 717 | 239 | 33.8 | 130 | 54.4 | 72 | 55.4 | 42 | 6.7 | 26 | 4.2 | 14 | 2.3 | 71 | 11.1 |
| | | 20+ | 568 | 240 | 42.6 | 117 | 48.8 | 60 | 51.3 | 41 | 8.9 | 21 | 4.7 | 10 | 2.3 | 82 | 17.2 |
| | Age at diagnosis | <1 | 2 | . | . | . | . | . | . | 1 | 50.0 | . | . | . | . | . | . |
| | | 1-4 | 225 | 70 | 31.3 | 35 | 50.0 | 19 | 54.3 | 21 | 10.6 | 9 | 4.6 | 7 | 3.6 | 30 | 14.9 |
| | | 5-9 | 571 | 184 | 32.8 | 117 | 63.6 | 64 | 54.7 | 37 | 7.6 | 24 | 5.1 | 18 | 3.8 | 63 | 12.5 |
| | | 10-14 | 670 | 253 | 38.6 | 131 | 51.8 | 62 | 47.3 | 45 | 7.8 | 33 | 5.7 | 8 | 1.4 | 68 | 11.6 |
| | | 15-20 | 434 | 152 | 35.9 | 59 | 38.8 | 37 | 62.7 | 20 | 5.3 | 12 | 3.3 | 2 | 0.5 | 40 | 10.6 |
| | Treatment | Surgery only | 12 | 6 | 54.5 | 2 | 33.3 | 2 | 100.0 | 1 | 11.1 | . | . | . | . | 2 | 22.2 |
| | | Chemotherapy, no radiation | 963 | 351 | 37.4 | 170 | 48.4 | 103 | 60.6 | 78 | 9.8 | 50 | 6.3 | 21 | 2.7 | 110 | 13.5 |
| | | Radiation, no chemotherapy | 37 | 12 | 33.3 | 5 | 41.7 | 3 | 60.0 | 1 | 3.1 | . | . | 1 | 3.0 | 2 | 5.9 |
| | | Chemotherapy and radiation | 683 | 221 | 32.7 | 122 | 55.2 | 60 | 49.2 | 35 | 5.7 | 19 | 3.1 | 8 | 1.3 | 68 | 10.9 |
| | | Unknown | 207 | 69 | 33.7 | 43 | 62.3 | 14 | 32.6 | 9 | 4.9 | 9 | 4.9 | 5 | 2.8 | 19 | 10.2 |
| Males | All cases | | 1290 | 474 | 37.6 | 257 | 54.2 | 136 | 52.9 | 124 | 11.4 | 78 | 7.3 | 33 | 3.1 | 193 | 17.2 |
| | Age at baseline | 18-19 | 97 | 16 | 17.2 | 11 | 68.8 | 6 | 54.5 | 11 | 12.5 | 8 | 9.4 | 5 | 5.8 | 7 | 7.9 |
| | | 20-24 | 304 | 95 | 32.2 | 65 | 68.4 | 37 | 56.9 | 28 | 10.9 | 17 | 6.7 | 11 | 4.4 | 43 | 16.3 |
| | | 25-29 | 405 | 147 | 37.0 | 84 | 57.1 | 45 | 53.6 | 42 | 12.1 | 29 | 8.5 | 8 | 2.4 | 59 | 16.6 |
| | | 30-34 | 319 | 141 | 44.9 | 70 | 49.6 | 35 | 50.0 | 36 | 13.6 | 19 | 7.3 | 8 | 3.2 | 50 | 18.8 |
| | | 35+ | 165 | 75 | 46.0 | 27 | 36.0 | 13 | 48.1 | 7 | 5.2 | 5 | 3.8 | 1 | 0.8 | 34 | 23.4 |
| | Years since diagnosis | 5-9 | 56 | 10 | 19.2 | 4 | 40.0 | . | . | . | . | 3 | 6.4 | 1 | 2.2 | 4 | 8.3 |
| | | 10-14 | 368 | 115 | 32.3 | 69 | 60.0 | 37 | 53.6 | 41 | 12.5 | 28 | 8.7 | 10 | 3.2 | 40 | 12.2 |
| | | 15-19 | 476 | 172 | 36.8 | 98 | 57.0 | 57 | 58.2 | 42 | 10.5 | 26 | 6.6 | 12 | 3.1 | 70 | 16.9 |
| | | 20+ | 390 | 177 | 45.9 | 86 | 48.6 | 42 | 48.8 | 41 | 13.0 | 21 | 6.9 | 10 | 3.3 | 79 | 23.9 |
| | Age at diagnosis | <1 | 1 | . | . | . | . | . | . | 1 | . | . | . | . | . | . | . |
| | | 1-4 | 151 | 48 | 32.0 | 23 | 47.9 | 14 | 60.9 | 21 | 16.0 | 9 | 7.0 | 7 | 5.5 | 28 | 21.1 |
| | | 5-9 | 393 | 132 | 34.4 | 91 | 68.9 | 52 | 57.1 | 37 | 11.2 | 24 | 7.6 | 16 | 5.1 | 61 | 17.8 |
| | | 10-14 | 460 | 185 | 41.1 | 100 | 54.1 | 45 | 45.0 | 45 | 11.7 | 33 | 8.5 | 8 | 2.1 | 64 | 16.0 |
| | | 15-20 | 285 | 109 | 39.4 | 43 | 39.4 | 25 | 58.1 | 20 | 8.2 | 12 | 5.1 | 2 | 0.9 | 40 | 16.4 |
| | Treatment | Surgery only | 11 | 5 | 50.0 | 1 | 20.0 | 1 | 100.0 | 1 | 12.5 | . | . | . | . | 2 | 25.0 |
| | | Chemotherapy, no radiation | 647 | 258 | 41.0 | 132 | 51.2 | 78 | 59.1 | 78 | 14.8 | 50 | 9.7 | 19 | 3.8 | 106 | 19.5 |
| | | Radiation, no chemotherapy | 27 | 9 | 34.6 | 3 | 33.3 | 1 | 33.3 | 1 | 4.3 | . | . | 1 | 4.2 | 1 | 4.0 |
| | | Chemotherapy and radiation | 456 | 150 | 33.3 | 89 | 59.3 | 43 | 48.3 | 35 | 8.7 | 19 | 4.8 | 8 | 2.0 | 66 | 16.0 |
| | | Unknown | 149 | 52 | 35.4 | 32 | 61.5 | 13 | 40.6 | 9 | 7.0 | 9 | 7.0 | 5 | 4.0 | 18 | 13.8 |
| Females | All cases | | 612 | 185 | 30.6 | 85 | 45.9 | 46 | 54.1 | . | . | . | . | 2 | 0.4 | 8 | 1.5 |
| | Age at baseline | 18-19 | 35 | 4 | 11.8 | 3 | 75.0 | 3 | 100.0 | . | . | . | . | . | . | . | . |
| | | 20-24 | 165 | 42 | 26.1 | 21 | 50.0 | 6 | 28.6 | . | . | . | . | 2 | 1.3 | 3 | 1.9 |

CCSS data from Jan2020 data freeze

Presented only for those age 18 and older at baseline, since questions did not appear on expansion under 18 questionnaire.

¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

³ For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|-------|---------------------------------------|-------|---------------------------------|---|---------------|---|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 25-29 | 164 | 56 | 34.8 | 24 | 42.9 | 13 | 54.2 | . | . | . | . | . | . | 2 | 1.4 |
| | | 30-34 | 164 | 59 | 36.0 | 24 | 40.7 | 15 | 62.5 | . | . | . | . | . | . | 2 | 1.3 |
| | | 35+ | 84 | 24 | 28.6 | 13 | 54.2 | 9 | 69.2 | . | . | . | . | . | . | 1 | 1.5 |
| | Years since diagnosis | 5-9 | 18 | 5 | 35.7 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 10-14 | 175 | 50 | 28.9 | 22 | 44.0 | 13 | 59.1 | . | . | . | . | . | . | 4 | 2.4 |
| | | 15-19 | 241 | 67 | 28.0 | 32 | 47.8 | 15 | 46.9 | . | . | . | . | 2 | 0.9 | 1 | 0.4 |
| | | 20+ | 178 | 63 | 35.4 | 31 | 49.2 | 18 | 58.1 | . | . | . | . | . | . | 3 | 2.1 |
| | Age at diagnosis | <1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 1-4 | 74 | 22 | 29.7 | 12 | 54.5 | 5 | 41.7 | . | . | . | . | . | . | 2 | 2.9 |
| | | 5-9 | 178 | 52 | 29.4 | 26 | 50.0 | 12 | 46.2 | . | . | . | . | 2 | 1.3 | 2 | 1.3 |
| | | 10-14 | 210 | 68 | 33.0 | 31 | 45.6 | 17 | 54.8 | . | . | . | . | . | . | 4 | 2.1 |
| | | 15-20 | 149 | 43 | 29.5 | 16 | 37.2 | 12 | 75.0 | . | . | . | . | . | . | . | . |
| | Treatment | Surgery only | 1 | 1 | . | 1 | 100.0 | 1 | 100.0 | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 316 | 93 | 30.0 | 38 | 40.9 | 25 | 65.8 | . | . | . | . | 2 | 0.7 | 4 | 1.5 |
| | | Radiation, no chemotherapy | 10 | 3 | 30.0 | 2 | 66.7 | 2 | 100.0 | . | . | . | . | . | . | 1 | 11.1 |
| | | Chemotherapy and radiation | 227 | 71 | 31.6 | 33 | 46.5 | 17 | 51.5 | . | . | . | . | . | . | 2 | 0.9 |
| | | Unknown | 58 | 17 | 29.3 | 11 | 64.7 | 1 | 9.1 | . | . | . | . | . | . | 1 | 1.8 |

CCSS data from Jan2020 data freeze

Presented only for those age 18 and older at baseline, since questions did not appear on expansion under 18 questionnaire.

¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | Cigarette smoking: | | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------------------|-----|--|-----|---------------------------------------|-----|-----------------|---------------------------------|---------------|----|-------|----|--------|-----|------|
| | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1441 | 422 | 29.7 | 263 | 62.3 | 141 | 53.6 | 56 | 4.5 | 28 | 2.3 | 22 | 1.8 | 142 | 11.1 |
| | Age at baseline | 18-19 | 306 | 74 | 24.8 | 52 | 70.3 | 20 | 38.5 | 12 | 4.3 | 7 | 2.5 | 3 | 1.1 | 14 | 5.0 |
| | | 20-24 | 669 | 182 | 27.5 | 116 | 63.7 | 64 | 55.2 | 33 | 5.6 | 11 | 1.9 | 13 | 2.2 | 64 | 10.6 |
| | | 25-29 | 374 | 134 | 36.5 | 77 | 57.5 | 44 | 57.1 | 11 | 3.5 | 9 | 3.0 | 6 | 1.9 | 57 | 17.4 |
| | | 30-34 | 74 | 26 | 35.1 | 15 | 57.7 | 12 | 80.0 | . | . | . | . | . | . | 6 | 10.7 |
| | | 35+ | 18 | 6 | 33.3 | 3 | 50.0 | 1 | 33.3 | . | . | 1 | 6.3 | . | . | 1 | 6.7 |
| | Years since diagnosis | 5-9 | 11 | 4 | 50.0 | 2 | 50.0 | 1 | 50.0 | . | . | . | . | . | . | 1 | 12.5 |
| | | 10-14 | 170 | 40 | 24.1 | 25 | 62.5 | 10 | 40.0 | 7 | 4.5 | 2 | 1.3 | 3 | 2.0 | 7 | 4.5 |
| | | 15-19 | 662 | 166 | 25.5 | 117 | 70.5 | 60 | 51.3 | 20 | 3.5 | 15 | 2.6 | 11 | 1.9 | 63 | 10.5 |
| | | 20+ | 598 | 212 | 35.7 | 119 | 56.1 | 70 | 58.8 | 29 | 5.7 | 11 | 2.2 | 8 | 1.6 | 71 | 13.7 |
| | Age at diagnosis | <1 | 148 | 51 | 34.5 | 29 | 56.9 | 15 | 51.7 | 11 | 8.8 | 5 | 4.1 | 3 | 2.5 | 16 | 12.6 |
| | | 1-4 | 824 | 239 | 29.4 | 153 | 64.0 | 81 | 52.9 | 32 | 4.5 | 13 | 1.8 | 14 | 2.0 | 82 | 11.2 |
| | | 5-9 | 389 | 101 | 26.4 | 61 | 60.4 | 32 | 52.5 | 13 | 3.8 | 9 | 2.7 | 4 | 1.2 | 40 | 11.3 |
| | | 10-14 | 57 | 22 | 39.3 | 14 | 63.6 | 9 | 64.3 | . | . | 1 | 2.0 | 1 | 2.1 | 2 | 4.2 |
| | | 15-20 | 23 | 9 | 45.0 | 6 | 66.7 | 4 | 66.7 | . | . | . | . | . | . | 2 | 11.1 |
| | Treatment | Surgery only | 14 | 6 | 46.2 | 4 | 66.7 | 3 | 75.0 | 2 | 18.2 | . | . | . | . | 1 | 8.3 |
| | | Chemotherapy, no radiation | 503 | 147 | 29.6 | 87 | 59.2 | 46 | 52.9 | 21 | 5.1 | 12 | 3.0 | 9 | 2.2 | 61 | 14.4 |
| | | Radiation, no chemotherapy | 4 | . | . | . | . | . | . | . | . | . | . | . | . | 1 | 25.0 |
| | | Chemotherapy and radiation | 779 | 224 | 29.3 | 139 | 62.1 | 73 | 52.5 | 24 | 3.5 | 12 | 1.8 | 11 | 1.6 | 69 | 9.7 |
| | | Unknown | 141 | 45 | 31.9 | 33 | 73.3 | 19 | 57.6 | 9 | 6.9 | 4 | 3.1 | 2 | 1.6 | 10 | 7.7 |
| Males | All cases | | 616 | 206 | 33.9 | 136 | 66.0 | 67 | 49.3 | 55 | 10.5 | 28 | 5.5 | 18 | 3.6 | 113 | 20.7 |
| | Age at baseline | 18-19 | 127 | 39 | 31.5 | 29 | 74.4 | 9 | 31.0 | 12 | 10.4 | 7 | 6.0 | 2 | 1.8 | 11 | 9.5 |
| | | 20-24 | 285 | 96 | 33.9 | 66 | 68.8 | 37 | 56.1 | 33 | 13.4 | 11 | 4.6 | 10 | 4.3 | 51 | 20.0 |
| | | 25-29 | 166 | 58 | 35.6 | 34 | 58.6 | 16 | 47.1 | 10 | 7.5 | 9 | 7.0 | 6 | 4.6 | 46 | 31.3 |
| | | 30-34 | 30 | 11 | 36.7 | 7 | 63.6 | 5 | 71.4 | . | . | . | . | . | . | 5 | 21.7 |
| | | 35+ | 8 | 2 | 25.0 | . | . | . | . | . | . | 1 | 14.3 | . | . | . | . |
| | Years since diagnosis | 5-9 | 4 | 2 | . | 1 | 50.0 | . | . | . | . | . | . | . | . | 1 | 50.0 |
| | | 10-14 | 59 | 18 | 32.1 | 11 | 61.1 | 3 | 27.3 | 7 | 13.5 | 2 | 4.0 | 3 | 6.0 | 6 | 11.8 |
| | | 15-19 | 282 | 78 | 27.9 | 63 | 80.8 | 34 | 54.0 | 20 | 8.3 | 15 | 6.1 | 7 | 3.0 | 49 | 18.7 |
| | | 20+ | 271 | 108 | 40.0 | 61 | 56.5 | 30 | 49.2 | 28 | 12.3 | 11 | 5.2 | 8 | 3.7 | 57 | 24.6 |
| | Age at diagnosis | <1 | 69 | 31 | 44.9 | 19 | 61.3 | 8 | 42.1 | 11 | 18.0 | 5 | 8.6 | 1 | 1.8 | 10 | 16.7 |
| | | 1-4 | 357 | 121 | 34.3 | 81 | 66.9 | 43 | 53.1 | 31 | 10.2 | 13 | 4.4 | 12 | 4.1 | 67 | 21.0 |
| | | 5-9 | 161 | 45 | 28.3 | 30 | 66.7 | 13 | 43.3 | 13 | 9.5 | 9 | 6.8 | 4 | 3.1 | 32 | 21.9 |
| | | 10-14 | 20 | 6 | 30.0 | 4 | 66.7 | 2 | 50.0 | . | . | 1 | 5.6 | 1 | 5.9 | 2 | 11.8 |
| | | 15-20 | 9 | 3 | 42.9 | 2 | 66.7 | 1 | 50.0 | . | . | . | . | . | . | 2 | 40.0 |
| | Treatment | Surgery only | 7 | 3 | 42.9 | 3 | 100.0 | 2 | 66.7 | 2 | 33.3 | . | . | . | . | 1 | 14.3 |
| | | Chemotherapy, no radiation | 221 | 73 | 33.3 | 48 | 65.8 | 22 | 45.8 | 21 | 11.7 | 12 | 6.9 | 6 | 3.5 | 47 | 24.7 |
| | | Chemotherapy and radiation | 316 | 102 | 32.9 | 64 | 62.7 | 30 | 46.9 | 23 | 8.5 | 12 | 4.6 | 10 | 3.8 | 57 | 20.1 |
| | | Unknown | 72 | 28 | 38.9 | 21 | 75.0 | 13 | 61.9 | 9 | 13.4 | 4 | 6.1 | 2 | 3.1 | 8 | 12.1 |
| Females | All cases | | 825 | 216 | 26.6 | 127 | 58.8 | 74 | 58.3 | 1 | 0.1 | . | . | 4 | 0.5 | 29 | 4.0 |
| | Age at baseline | 18-19 | 179 | 35 | 20.1 | 23 | 65.7 | 11 | 47.8 | . | . | . | . | 1 | 0.6 | 3 | 1.8 |
| | | 20-24 | 384 | 86 | 22.7 | 50 | 58.1 | 27 | 54.0 | . | . | . | . | 3 | 0.9 | 13 | 3.7 |
| | | 25-29 | 208 | 76 | 37.3 | 43 | 56.6 | 28 | 65.1 | 1 | 0.6 | . | . | . | . | 11 | 6.1 |

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³ For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|-------|---------------------------------|-----|---------------|---|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 30-34 | 44 | 15 | 34.1 | 8 | 53.3 | 7 | 87.5 | . | . | . | . | . | . | 1 | 3.0 |
| | | 35+ | 10 | 4 | 40.0 | 3 | 75.0 | 1 | 33.3 | . | . | . | . | . | . | 1 | 11.1 |
| | Years since diagnosis | 5-9 | 7 | 2 | 33.3 | 1 | 50.0 | 1 | 100.0 | . | . | . | . | . | . | . | . |
| | | 10-14 | 111 | 22 | 20.0 | 14 | 63.6 | 7 | 50.0 | . | . | . | . | . | . | 1 | 1.0 |
| | | 15-19 | 380 | 88 | 23.7 | 54 | 61.4 | 26 | 48.1 | . | . | . | . | 4 | 1.2 | 14 | 4.1 |
| | | 20+ | 327 | 104 | 32.1 | 58 | 55.8 | 40 | 69.0 | 1 | 0.4 | . | . | . | . | 14 | 4.9 |
| | Age at diagnosis | <1 | 79 | 20 | 25.3 | 10 | 50.0 | 7 | 70.0 | . | . | . | . | 2 | 3.1 | 6 | 9.0 |
| | | 1-4 | 467 | 118 | 25.7 | 72 | 61.0 | 38 | 52.8 | 1 | 0.2 | . | . | 2 | 0.5 | 15 | 3.6 |
| | | 5-9 | 228 | 56 | 25.0 | 31 | 55.4 | 19 | 61.3 | . | . | . | . | . | . | 8 | 3.8 |
| | | 10-14 | 37 | 16 | 44.4 | 10 | 62.5 | 7 | 70.0 | . | . | . | . | . | . | . | . |
| | | 15-20 | 14 | 6 | 46.2 | 4 | 66.7 | 3 | 75.0 | . | . | . | . | . | . | . | . |
| | Treatment | Surgery only | 7 | 3 | 50.0 | 1 | 33.3 | 1 | 100.0 | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 282 | 74 | 26.6 | 39 | 52.7 | 24 | 61.5 | . | . | . | . | 3 | 1.3 | 14 | 6.0 |
| | | Radiation, no chemotherapy | 4 | . | . | . | . | . | . | . | . | . | . | . | . | 1 | 25.0 |
| | | Chemotherapy and radiation | 463 | 122 | 26.9 | 75 | 61.5 | 43 | 57.3 | 1 | 0.2 | . | . | 1 | 0.2 | 12 | 2.8 |
| | | Unknown | 69 | 17 | 24.6 | 12 | 70.6 | 6 | 50.0 | . | . | . | . | . | . | 2 | 3.1 |

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³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|-------|---------------------------------------|-------|---------------------------------|------|---------------|------|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 991 | 293 | 30.4 | 168 | 57.3 | 91 | 54.2 | 34 | 4.0 | 27 | 3.2 | 18 | 2.1 | 82 | 9.5 |
| | Age at baseline | 18-19 | 237 | 51 | 22.5 | 33 | 64.7 | 13 | 39.4 | 5 | 2.4 | 2 | 1.0 | . | . | 10 | 4.7 |
| | | 20-24 | 540 | 167 | 31.6 | 97 | 58.1 | 57 | 58.8 | 23 | 4.9 | 18 | 3.9 | 14 | 3.0 | 50 | 10.4 |
| | | 25-29 | 170 | 60 | 36.1 | 30 | 50.0 | 18 | 60.0 | 4 | 2.9 | 4 | 3.0 | 3 | 2.2 | 16 | 11.7 |
| | | 30-34 | 36 | 10 | 27.8 | 4 | 40.0 | 1 | 25.0 | 2 | 6.9 | 3 | 10.0 | 1 | 3.4 | 5 | 16.1 |
| | | 35+ | 8 | 5 | 62.5 | 4 | 80.0 | 2 | 50.0 | . | . | . | . | . | . | 1 | 14.3 |
| | Years since diagnosis | 5-9 | 8 | 1 | 25.0 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 10-14 | 54 | 11 | 22.0 | 5 | 45.5 | 3 | 60.0 | 1 | 2.1 | 1 | 2.1 | . | . | 1 | 2.1 |
| | | 15-19 | 391 | 99 | 26.1 | 57 | 57.6 | 29 | 50.9 | 8 | 2.3 | 12 | 3.5 | 3 | 0.9 | 25 | 7.1 |
| | | 20+ | 538 | 182 | 34.2 | 106 | 58.2 | 59 | 55.7 | 25 | 5.5 | 14 | 3.1 | 15 | 3.3 | 56 | 12.1 |
| | Age at diagnosis | <1 | 431 | 139 | 32.9 | 86 | 61.9 | 47 | 54.7 | 25 | 6.6 | 10 | 2.7 | 10 | 2.7 | 44 | 11.7 |
| | | 1-4 | 411 | 106 | 26.2 | 60 | 56.6 | 33 | 55.0 | 6 | 1.7 | 10 | 2.9 | 6 | 1.7 | 28 | 7.7 |
| | | 5-9 | 102 | 32 | 32.7 | 14 | 43.8 | 7 | 50.0 | 2 | 2.2 | 6 | 6.7 | 2 | 2.2 | 7 | 7.7 |
| | | 10-14 | 28 | 10 | 38.5 | 5 | 50.0 | 2 | 40.0 | . | . | . | . | . | . | 2 | 8.3 |
| | | 15-20 | 19 | 6 | 40.0 | 3 | 50.0 | 2 | 66.7 | 1 | 7.7 | 1 | 7.7 | . | . | 1 | 7.7 |
| | Treatment | Surgery only | 277 | 88 | 32.7 | 44 | 50.0 | 23 | 52.3 | 9 | 3.9 | 10 | 4.4 | 6 | 2.7 | 28 | 11.9 |
| | | Chemotherapy, no radiation | 241 | 82 | 34.9 | 49 | 59.8 | 29 | 59.2 | 13 | 6.2 | 9 | 4.4 | 7 | 3.4 | 31 | 14.6 |
| | | Radiation, no chemotherapy | 75 | 22 | 29.3 | 15 | 68.2 | 3 | 20.0 | 5 | 6.9 | 3 | 4.5 | 1 | 1.4 | 7 | 10.1 |
| | | Chemotherapy and radiation | 305 | 69 | 23.5 | 42 | 60.9 | 27 | 64.3 | 5 | 2.0 | 4 | 1.6 | 4 | 1.6 | 10 | 3.8 |
| | | Unknown | 93 | 32 | 34.8 | 18 | 56.3 | 9 | 50.0 | 2 | 2.2 | 1 | 1.1 | . | . | 6 | 6.7 |
| Males | All cases | | 471 | 156 | 34.1 | 102 | 65.4 | 59 | 57.8 | 32 | 8.1 | 26 | 6.7 | 17 | 4.5 | 67 | 16.6 |
| | Age at baseline | 18-19 | 104 | 27 | 27.3 | 19 | 70.4 | 8 | 42.1 | 4 | 4.4 | 2 | 2.2 | . | . | 8 | 8.7 |
| | | 20-24 | 272 | 89 | 33.6 | 57 | 64.0 | 36 | 63.2 | 22 | 9.6 | 17 | 7.6 | 13 | 5.9 | 42 | 17.9 |
| | | 25-29 | 78 | 33 | 43.4 | 22 | 66.7 | 14 | 63.6 | 4 | 6.5 | 4 | 7.0 | 3 | 5.1 | 13 | 21.3 |
| | | 30-34 | 14 | 6 | 42.9 | 3 | 50.0 | 1 | 33.3 | 2 | 18.2 | 3 | 25.0 | 1 | 9.1 | 4 | 30.8 |
| | | 35+ | 3 | 1 | 33.3 | 1 | 100.0 | . | . | . | . | . | . | . | . | . | . |
| | Years since diagnosis | 5-9 | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 10-14 | 25 | 8 | 38.1 | 3 | 37.5 | 2 | 66.7 | 1 | 4.8 | 1 | 4.8 | . | . | 1 | 5.0 |
| | | 15-19 | 181 | 52 | 29.7 | 33 | 63.5 | 19 | 57.6 | 7 | 4.5 | 11 | 7.1 | 3 | 2.0 | 19 | 11.8 |
| | | 20+ | 263 | 96 | 36.9 | 66 | 68.8 | 38 | 57.6 | 24 | 11.1 | 14 | 6.7 | 14 | 6.7 | 47 | 21.3 |
| | Age at diagnosis | <1 | 222 | 82 | 37.4 | 54 | 65.9 | 31 | 57.4 | 23 | 12.0 | 10 | 5.4 | 9 | 5.0 | 37 | 19.3 |
| | | 1-4 | 181 | 45 | 25.4 | 32 | 71.1 | 19 | 59.4 | 6 | 4.1 | 9 | 6.2 | 6 | 4.1 | 22 | 14.4 |
| | | 5-9 | 50 | 20 | 43.5 | 11 | 55.0 | 7 | 63.6 | 2 | 4.7 | 6 | 14.0 | 2 | 4.8 | 6 | 13.6 |
| | | 10-14 | 12 | 7 | 70.0 | 4 | 57.1 | 1 | 25.0 | . | . | . | . | . | . | 2 | 20.0 |
| | | 15-20 | 6 | 2 | 40.0 | 1 | 50.0 | 1 | 100.0 | 1 | 20.0 | 1 | 20.0 | . | . | . | . |
| | Treatment | Surgery only | 131 | 42 | 33.1 | 26 | 61.9 | 16 | 61.5 | 8 | 7.3 | 9 | 8.4 | 6 | 5.8 | 24 | 21.2 |
| | | Chemotherapy, no radiation | 114 | 45 | 40.2 | 30 | 66.7 | 21 | 70.0 | 12 | 12.4 | 9 | 9.6 | 6 | 6.5 | 27 | 26.7 |
| | | Radiation, no chemotherapy | 33 | 13 | 39.4 | 9 | 69.2 | 2 | 22.2 | 5 | 16.7 | 3 | 12.0 | 1 | 3.7 | 6 | 22.2 |
| | | Chemotherapy and radiation | 148 | 37 | 26.4 | 22 | 59.5 | 13 | 59.1 | 5 | 4.3 | 4 | 3.4 | 4 | 3.5 | 7 | 5.9 |
| | | Unknown | 45 | 19 | 42.2 | 15 | 78.9 | 7 | 46.7 | 2 | 4.5 | 1 | 2.3 | . | . | 3 | 7.0 |
| Females | All cases | | 520 | 137 | 27.0 | 66 | 48.2 | 32 | 48.5 | 2 | 0.4 | 1 | 0.2 | 1 | 0.2 | 15 | 3.2 |
| | Age at baseline | 18-19 | 133 | 24 | 18.8 | 14 | 58.3 | 5 | 35.7 | 1 | 0.8 | . | . | . | . | 2 | 1.7 |
| | | 20-24 | 268 | 78 | 29.7 | 40 | 51.3 | 21 | 52.5 | 1 | 0.4 | 1 | 0.4 | 1 | 0.4 | 8 | 3.3 |

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|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|-------|---------------------------------|-----|---------------|-----|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 25-29 | 92 | 27 | 30.0 | 8 | 29.6 | 4 | 50.0 | . | . | . | . | . | . | 3 | 3.9 |
| | | 30-34 | 22 | 4 | 18.2 | 1 | 25.0 | . | . | . | . | . | . | . | . | 1 | 5.6 |
| | | 35+ | 5 | 4 | 80.0 | 3 | 75.0 | 2 | 66.7 | . | . | . | . | . | . | 1 | 25.0 |
| | Years since diagnosis | 5-9 | 6 | 1 | 33.3 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 10-14 | 29 | 3 | 10.3 | 2 | 66.7 | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | | 15-19 | 210 | 47 | 23.0 | 24 | 51.1 | 10 | 41.7 | 1 | 0.5 | 1 | 0.5 | . | . | 6 | 3.1 |
| | | 20+ | 275 | 86 | 31.6 | 40 | 46.5 | 21 | 52.5 | 1 | 0.4 | . | . | 1 | 0.4 | 9 | 3.7 |
| | Age at diagnosis | <1 | 209 | 57 | 28.1 | 32 | 56.1 | 16 | 50.0 | 2 | 1.1 | . | . | 1 | 0.5 | 7 | 3.8 |
| | | 1-4 | 230 | 61 | 26.9 | 28 | 45.9 | 14 | 50.0 | . | . | 1 | 0.5 | . | . | 6 | 2.9 |
| | | 5-9 | 52 | 12 | 23.1 | 3 | 25.0 | . | . | . | . | . | . | . | . | 1 | 2.1 |
| | | 10-14 | 16 | 3 | 18.8 | 1 | 33.3 | 1 | 100.0 | . | . | . | . | . | . | . | . |
| | | 15-20 | 13 | 4 | 40.0 | 2 | 50.0 | 1 | 50.0 | . | . | . | . | . | . | 1 | 11.1 |
| | Treatment | Surgery only | 146 | 46 | 32.4 | 18 | 39.1 | 7 | 38.9 | 1 | 0.8 | 1 | 0.8 | . | . | 4 | 3.3 |
| | | Chemotherapy, no radiation | 127 | 37 | 30.1 | 19 | 51.4 | 8 | 42.1 | 1 | 0.9 | . | . | 1 | 0.9 | 4 | 3.6 |
| | | Radiation, no chemotherapy | 42 | 9 | 21.4 | 6 | 66.7 | 1 | 16.7 | . | . | . | . | . | . | 1 | 2.4 |
| | | Chemotherapy and radiation | 157 | 32 | 20.8 | 20 | 62.5 | 14 | 70.0 | . | . | . | . | . | . | 3 | 2.1 |
| | | Unknown | 48 | 13 | 27.7 | 3 | 23.1 | 2 | 66.7 | . | . | . | . | . | . | 3 | 6.4 |

CCSS data from Jan2020 data freeze

Presented only for those age 18 and older at baseline, since questions did not appear on expansion under 18 questionnaire.

¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

³ For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|-----|---------------|-----|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1415 | 444 | 31.9 | 237 | 53.4 | 118 | 49.8 | 42 | 3.2 | 23 | 1.8 | 12 | 0.9 | 105 | 8.0 |
| | Age at baseline | 18-19 | 125 | 18 | 14.5 | 12 | 66.7 | 2 | 16.7 | 2 | 1.7 | 3 | 2.6 | . | . | 2 | 1.7 |
| | | 20-24 | 425 | 120 | 29.3 | 68 | 56.7 | 35 | 51.5 | 18 | 4.7 | 9 | 2.4 | 4 | 1.0 | 29 | 7.6 |
| | | 25-29 | 392 | 124 | 32.0 | 64 | 51.6 | 33 | 51.6 | 12 | 3.4 | 3 | 0.8 | 3 | 0.9 | 33 | 9.1 |
| | | 30-34 | 297 | 114 | 38.8 | 51 | 44.7 | 28 | 54.9 | 8 | 2.9 | 6 | 2.2 | 4 | 1.5 | 28 | 10.1 |
| | | 35+ | 176 | 68 | 38.9 | 42 | 61.8 | 20 | 47.6 | 2 | 1.2 | 2 | 1.2 | 1 | 0.6 | 13 | 7.6 |
| | Years since diagnosis | 5-9 | 88 | 18 | 21.4 | 7 | 38.9 | 2 | 28.6 | 2 | 2.4 | 1 | 1.2 | . | . | 3 | 3.7 |
| | | 10-14 | 314 | 93 | 30.4 | 46 | 49.5 | 25 | 54.3 | 6 | 2.0 | 6 | 2.1 | 4 | 1.4 | 17 | 5.9 |
| | | 15-19 | 500 | 145 | 29.6 | 85 | 58.6 | 35 | 41.2 | 16 | 3.5 | 8 | 1.8 | 4 | 0.9 | 43 | 9.2 |
| | | 20+ | 513 | 188 | 36.8 | 99 | 52.7 | 56 | 56.6 | 18 | 3.9 | 8 | 1.8 | 4 | 0.9 | 42 | 8.9 |
| | Age at diagnosis | <1 | 56 | 17 | 30.4 | 10 | 58.8 | 6 | 60.0 | 2 | 3.9 | . | . | . | . | 1 | 2.0 |
| | | 1-4 | 339 | 98 | 29.2 | 59 | 60.2 | 30 | 50.8 | 13 | 4.3 | 5 | 1.7 | 1 | 0.3 | 22 | 7.2 |
| | | 5-9 | 350 | 103 | 30.2 | 46 | 44.7 | 22 | 47.8 | 14 | 4.4 | 8 | 2.5 | 4 | 1.3 | 28 | 8.8 |
| | | 10-14 | 341 | 108 | 32.4 | 63 | 58.3 | 32 | 50.8 | 8 | 2.5 | 6 | 1.9 | 4 | 1.3 | 29 | 9.2 |
| | | 15-20 | 329 | 118 | 36.3 | 59 | 50.0 | 28 | 47.5 | 5 | 1.6 | 4 | 1.3 | 3 | 1.0 | 25 | 7.9 |
| | Treatment | Surgery only | 152 | 62 | 40.8 | 32 | 51.6 | 18 | 56.3 | 6 | 4.1 | 5 | 3.5 | 2 | 1.4 | 8 | 5.7 |
| | | Chemotherapy, no radiation | 279 | 95 | 34.7 | 46 | 48.4 | 22 | 47.8 | 10 | 3.9 | 8 | 3.2 | 3 | 1.2 | 32 | 12.5 |
| | | Radiation, no chemotherapy | 59 | 23 | 39.0 | 14 | 60.9 | 7 | 50.0 | 1 | 1.8 | 1 | 1.8 | . | . | 4 | 7.1 |
| | | Chemotherapy and radiation | 763 | 201 | 27.0 | 110 | 54.7 | 54 | 49.1 | 20 | 2.9 | 6 | 0.9 | 7 | 1.0 | 52 | 7.4 |
| | | Unknown | 162 | 63 | 39.1 | 35 | 55.6 | 17 | 48.6 | 5 | 3.3 | 3 | 2.0 | . | . | 9 | 6.0 |
| Males | All cases | | 757 | 246 | 33.0 | 129 | 52.4 | 63 | 48.8 | 42 | 6.1 | 23 | 3.4 | 12 | 1.8 | 102 | 14.7 |
| | Age at baseline | 18-19 | 66 | 11 | 16.7 | 6 | 54.5 | . | . | 2 | 3.2 | 3 | 4.9 | . | . | 2 | 3.3 |
| | | 20-24 | 242 | 76 | 32.5 | 43 | 56.6 | 21 | 48.8 | 18 | 8.2 | 9 | 4.2 | 4 | 1.9 | 26 | 12.0 |
| | | 25-29 | 207 | 69 | 33.7 | 37 | 53.6 | 18 | 48.6 | 12 | 6.4 | 3 | 1.6 | 3 | 1.7 | 33 | 17.3 |
| | | 30-34 | 158 | 57 | 36.5 | 24 | 42.1 | 14 | 58.3 | 8 | 5.6 | 6 | 4.3 | 4 | 3.0 | 28 | 19.3 |
| | | 35+ | 84 | 33 | 39.3 | 19 | 57.6 | 10 | 52.6 | 2 | 2.6 | 2 | 2.7 | 1 | 1.3 | 13 | 16.0 |
| | Years since diagnosis | 5-9 | 40 | 9 | 24.3 | 3 | 33.3 | 1 | 33.3 | 2 | 5.6 | 1 | 2.8 | . | . | 3 | 8.8 |
| | | 10-14 | 170 | 46 | 27.7 | 22 | 47.8 | 12 | 54.5 | 6 | 3.8 | 6 | 3.8 | 4 | 2.6 | 17 | 10.9 |
| | | 15-19 | 267 | 87 | 33.1 | 48 | 55.2 | 20 | 41.7 | 16 | 6.6 | 8 | 3.3 | 4 | 1.7 | 41 | 16.8 |
| | | 20+ | 280 | 104 | 37.3 | 56 | 53.8 | 30 | 53.6 | 18 | 7.3 | 8 | 3.3 | 4 | 1.6 | 41 | 15.8 |
| | Age at diagnosis | <1 | 25 | 7 | 28.0 | 5 | 71.4 | 2 | 40.0 | 2 | 8.0 | . | . | . | . | . | . |
| | | 1-4 | 197 | 64 | 32.7 | 41 | 64.1 | 20 | 48.8 | 13 | 7.3 | 5 | 2.9 | 1 | 0.6 | 20 | 11.1 |
| | | 5-9 | 195 | 62 | 32.3 | 26 | 41.9 | 11 | 42.3 | 14 | 8.0 | 8 | 4.6 | 4 | 2.3 | 28 | 15.8 |
| | | 10-14 | 183 | 52 | 29.4 | 29 | 55.8 | 16 | 55.2 | 8 | 4.9 | 6 | 3.7 | 4 | 2.6 | 29 | 17.8 |
| | | 15-20 | 157 | 61 | 39.4 | 28 | 45.9 | 14 | 50.0 | 5 | 3.4 | 4 | 2.7 | 3 | 2.1 | 25 | 16.7 |
| | Treatment | Surgery only | 69 | 29 | 42.0 | 16 | 55.2 | 8 | 50.0 | 6 | 8.8 | 5 | 7.6 | 2 | 3.1 | 8 | 12.5 |
| | | Chemotherapy, no radiation | 165 | 58 | 35.6 | 27 | 46.6 | 12 | 44.4 | 10 | 6.6 | 8 | 5.3 | 3 | 2.1 | 31 | 20.5 |
| | | Radiation, no chemotherapy | 28 | 8 | 28.6 | 5 | 62.5 | 3 | 60.0 | 1 | 3.8 | 1 | 4.0 | . | . | 4 | 15.4 |
| | | Chemotherapy and radiation | 398 | 113 | 29.0 | 64 | 56.6 | 32 | 50.0 | 20 | 5.6 | 6 | 1.7 | 7 | 2.0 | 50 | 13.7 |
| | | Unknown | 97 | 38 | 39.6 | 17 | 44.7 | 8 | 47.1 | 5 | 5.7 | 3 | 3.5 | . | . | 9 | 10.3 |
| Females | All cases | | 658 | 198 | 30.7 | 108 | 54.5 | 55 | 50.9 | . | . | . | . | . | . | 3 | 0.5 |
| | Age at baseline | 18-19 | 59 | 7 | 12.1 | 6 | 85.7 | 2 | 33.3 | . | . | . | . | . | . | . | . |
| | | 20-24 | 183 | 44 | 25.0 | 25 | 56.8 | 14 | 56.0 | . | . | . | . | . | . | 3 | 1.8 |

CCSS data from Jan2020 data freeze

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¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

³ For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|---|---------------|---|-------|---|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 25-29 | 185 | 55 | 30.1 | 27 | 49.1 | 15 | 55.6 | . | . | . | . | . | . | . | . |
| | | 30-34 | 139 | 57 | 41.3 | 27 | 47.4 | 14 | 51.9 | . | . | . | . | . | . | . | . |
| | | 35+ | 92 | 35 | 38.5 | 23 | 65.7 | 10 | 43.5 | . | . | . | . | . | . | . | . |
| | Years since diagnosis | 5-9 | 48 | 9 | 19.1 | 4 | 44.4 | 1 | 25.0 | . | . | . | . | . | . | . | . |
| | | 10-14 | 144 | 47 | 33.6 | 24 | 51.1 | 13 | 54.2 | . | . | . | . | . | . | . | . |
| | | 15-19 | 233 | 58 | 25.6 | 37 | 63.8 | 15 | 40.5 | . | . | . | . | . | . | 2 | 0.9 |
| | | 20+ | 233 | 84 | 36.2 | 43 | 51.2 | 26 | 60.5 | . | . | . | . | . | . | 1 | 0.5 |
| | Age at diagnosis | <1 | 31 | 10 | 32.3 | 5 | 50.0 | 4 | 80.0 | . | . | . | . | . | . | 1 | 3.8 |
| | | 1-4 | 142 | 34 | 24.3 | 18 | 52.9 | 10 | 55.6 | . | . | . | . | . | . | 2 | 1.6 |
| | | 5-9 | 155 | 41 | 27.5 | 20 | 48.8 | 11 | 55.0 | . | . | . | . | . | . | . | . |
| | | 10-14 | 158 | 56 | 35.9 | 34 | 60.7 | 16 | 47.1 | . | . | . | . | . | . | . | . |
| | | 15-20 | 172 | 57 | 33.5 | 31 | 54.4 | 14 | 45.2 | . | . | . | . | . | . | . | . |
| | Treatment | Surgery only | 83 | 33 | 39.8 | 16 | 48.5 | 10 | 62.5 | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 114 | 37 | 33.3 | 19 | 51.4 | 10 | 52.6 | . | . | . | . | . | . | 1 | 1.0 |
| | | Radiation, no chemotherapy | 31 | 15 | 48.4 | 9 | 60.0 | 4 | 44.4 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 365 | 88 | 24.7 | 46 | 52.3 | 22 | 47.8 | . | . | . | . | . | . | 2 | 0.6 |
| | | Unknown | 65 | 25 | 38.5 | 18 | 72.0 | 9 | 50.0 | . | . | . | . | . | . | . | . |

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¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|-------|---------------------------------------|------|---------------------------------|------|---------------|------|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | 2002 | 660 | 34.4 | 321 | 48.6 | 146 | 45.5 | 81 | 4.7 | 55 | 3.2 | 28 | 1.6 | 166 | 9.5 | |
| | Age at baseline | 18-19 | 72 | 7 | 11.7 | 2 | 28.6 | . | . | 3 | 5.3 | 1 | 1.8 | . | . | 4 | 6.9 |
| | | 20-24 | 388 | 102 | 29.0 | 55 | 53.9 | 28 | 50.9 | 20 | 6.0 | 12 | 3.7 | 1 | 0.3 | 29 | 8.6 |
| | | 25-29 | 568 | 165 | 30.5 | 86 | 52.1 | 39 | 45.3 | 28 | 5.6 | 16 | 3.3 | 14 | 2.8 | 41 | 8.1 |
| | | 30-34 | 566 | 214 | 38.4 | 99 | 46.3 | 42 | 42.4 | 13 | 2.6 | 12 | 2.5 | 8 | 1.6 | 46 | 9.2 |
| | | 35+ | 408 | 172 | 42.5 | 79 | 45.9 | 37 | 46.8 | 17 | 4.9 | 14 | 4.1 | 5 | 1.5 | 46 | 13.0 |
| | Years since diagnosis | 5-9 | 185 | 41 | 29.1 | 15 | 36.6 | 2 | 13.3 | 11 | 8.0 | 6 | 4.4 | 3 | 2.2 | 8 | 5.9 |
| | | 10-14 | 645 | 200 | 32.1 | 103 | 51.5 | 53 | 51.5 | 30 | 5.1 | 16 | 2.8 | 9 | 1.6 | 44 | 7.4 |
| | | 15-19 | 672 | 230 | 34.9 | 116 | 50.4 | 56 | 48.3 | 23 | 3.9 | 19 | 3.3 | 10 | 1.7 | 62 | 10.4 |
| | | 20+ | 500 | 189 | 38.3 | 87 | 46.0 | 35 | 40.2 | 17 | 4.1 | 14 | 3.4 | 6 | 1.5 | 52 | 12.1 |
| | Age at diagnosis | <1 | 2 | 2 | . | . | . | . | . | . | . | . | . | . | . | 1 | 50.0 |
| | | 1-4 | 58 | 10 | 18.5 | 3 | 30.0 | 1 | 33.3 | 3 | 6.3 | 1 | 2.1 | 1 | 2.2 | 7 | 14.0 |
| | | 5-9 | 324 | 84 | 26.4 | 47 | 56.0 | 19 | 40.4 | 9 | 3.2 | 7 | 2.5 | 2 | 0.7 | 31 | 10.7 |
| | | 10-14 | 828 | 262 | 33.0 | 137 | 52.3 | 66 | 48.2 | 35 | 4.8 | 25 | 3.5 | 12 | 1.7 | 60 | 8.2 |
| | | 15-20 | 790 | 302 | 40.3 | 134 | 44.4 | 60 | 44.8 | 34 | 5.0 | 22 | 3.3 | 13 | 2.0 | 67 | 9.9 |
| | Treatment | Surgery only | 119 | 46 | 39.0 | 27 | 58.7 | 10 | 37.0 | 6 | 5.5 | 2 | 1.9 | 2 | 1.9 | 9 | 8.3 |
| | | Chemotherapy, no radiation | 1147 | 384 | 34.9 | 183 | 47.7 | 83 | 45.4 | 45 | 4.6 | 25 | 2.6 | 19 | 2.0 | 102 | 10.1 |
| | | Radiation, no chemotherapy | 16 | 6 | 42.9 | 5 | 83.3 | 3 | 60.0 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 539 | 157 | 30.8 | 71 | 45.2 | 36 | 50.7 | 16 | 3.5 | 23 | 5.0 | 6 | 1.3 | 47 | 10.1 |
| | | Unknown | 181 | 67 | 38.3 | 35 | 52.2 | 14 | 40.0 | 14 | 8.5 | 5 | 3.1 | 1 | 0.6 | 8 | 4.9 |
| Males | All cases | 1036 | 360 | 36.5 | 172 | 47.8 | 69 | 40.1 | 80 | 9.2 | 55 | 6.5 | 28 | 3.4 | 151 | 17.1 | |
| | Age at baseline | 18-19 | 36 | 6 | 18.8 | 1 | 16.7 | . | . | 3 | 10.0 | 1 | 3.3 | . | . | 4 | 12.9 |
| | | 20-24 | 193 | 44 | 25.6 | 21 | 47.7 | 13 | 61.9 | 19 | 12.0 | 12 | 7.8 | 1 | 0.7 | 26 | 16.4 |
| | | 25-29 | 299 | 99 | 35.4 | 54 | 54.5 | 20 | 37.0 | 28 | 11.0 | 16 | 6.6 | 14 | 5.8 | 39 | 15.1 |
| | | 30-34 | 283 | 111 | 40.1 | 48 | 43.2 | 18 | 37.5 | 13 | 5.3 | 12 | 5.2 | 8 | 3.4 | 41 | 16.8 |
| | | 35+ | 225 | 100 | 44.6 | 48 | 48.0 | 18 | 37.5 | 17 | 9.1 | 14 | 7.8 | 5 | 2.9 | 41 | 21.2 |
| | Years since diagnosis | 5-9 | 99 | 23 | 30.7 | 7 | 30.4 | 2 | 28.6 | 11 | 15.1 | 6 | 8.3 | 3 | 4.3 | 8 | 11.4 |
| | | 10-14 | 337 | 108 | 33.6 | 54 | 50.0 | 25 | 46.3 | 29 | 9.8 | 16 | 5.6 | 9 | 3.2 | 39 | 13.1 |
| | | 15-19 | 344 | 124 | 36.9 | 62 | 50.0 | 26 | 41.9 | 23 | 7.7 | 19 | 6.6 | 10 | 3.5 | 56 | 18.5 |
| | | 20+ | 256 | 105 | 41.5 | 49 | 46.7 | 16 | 32.7 | 17 | 8.3 | 14 | 7.1 | 6 | 3.1 | 48 | 22.4 |
| | Age at diagnosis | <1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | 1 | . |
| | | 1-4 | 36 | 5 | 14.7 | 2 | 40.0 | 1 | 50.0 | 3 | 10.3 | 1 | 3.6 | 1 | 3.7 | 7 | 22.6 |
| | | 5-9 | 165 | 48 | 29.4 | 26 | 54.2 | 7 | 26.9 | 8 | 5.7 | 7 | 5.1 | 2 | 1.5 | 28 | 18.8 |
| | | 10-14 | 392 | 136 | 36.1 | 67 | 49.3 | 32 | 47.8 | 35 | 10.3 | 25 | 7.7 | 12 | 3.7 | 57 | 16.8 |
| | | 15-20 | 442 | 170 | 41.5 | 77 | 45.3 | 29 | 37.7 | 34 | 9.4 | 22 | 6.2 | 13 | 3.7 | 58 | 15.9 |
| | Treatment | Surgery only | 48 | 17 | 36.2 | 9 | 52.9 | 4 | 44.4 | 6 | 13.3 | 2 | 4.9 | 2 | 4.9 | 8 | 18.2 |
| | | Chemotherapy, no radiation | 588 | 211 | 37.7 | 104 | 49.3 | 39 | 37.5 | 45 | 9.2 | 25 | 5.3 | 19 | 4.1 | 93 | 18.5 |
| | | Radiation, no chemotherapy | 9 | 3 | 37.5 | 2 | 66.7 | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 277 | 79 | 30.5 | 33 | 41.8 | 14 | 42.4 | 16 | 7.0 | 23 | 10.3 | 6 | 2.8 | 43 | 18.8 |
| | | Unknown | 114 | 50 | 45.0 | 24 | 48.0 | 11 | 45.8 | 13 | 12.6 | 5 | 5.1 | 1 | 1.0 | 7 | 6.9 |
| Females | All cases | 966 | 300 | 32.2 | 149 | 49.7 | 77 | 51.7 | 1 | 0.1 | . | . | . | . | 15 | 1.7 | |
| | Age at baseline | 18-19 | 36 | 1 | 3.6 | 1 | 100.0 | . | . | . | . | . | . | . | . | . | . |
| | | 20-24 | 195 | 58 | 32.2 | 34 | 58.6 | 15 | 44.1 | 1 | 0.6 | . | . | . | . | 3 | 1.7 |

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|--|-----------------------|----------------------------|-----------|-----------------------|------|--|-------|---------------------------------------|------|---------------------------------|-----|---------------|---|-------|---|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 25-29 | 269 | 66 | 25.3 | 32 | 48.5 | 19 | 59.4 | . | . | . | . | . | . | 2 | 0.8 |
| | | 30-34 | 283 | 103 | 36.7 | 51 | 49.5 | 24 | 47.1 | . | . | . | . | . | . | 5 | 1.9 |
| | | 35+ | 183 | 72 | 39.8 | 31 | 43.1 | 19 | 61.3 | . | . | . | . | . | . | 5 | 3.1 |
| | Years since diagnosis | 5-9 | 86 | 18 | 27.3 | 8 | 44.4 | . | . | . | . | . | . | . | . | . | . |
| | | 10-14 | 308 | 92 | 30.5 | 49 | 53.3 | 28 | 57.1 | 1 | 0.3 | . | . | . | . | 5 | 1.7 |
| | | 15-19 | 328 | 106 | 32.8 | 54 | 50.9 | 30 | 55.6 | . | . | . | . | . | . | 6 | 2.0 |
| | | 20+ | 244 | 84 | 35.0 | 38 | 45.2 | 19 | 50.0 | . | . | . | . | . | . | 4 | 1.9 |
| | Age at diagnosis | <1 | 1 | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 1-4 | 22 | 5 | 25.0 | 1 | 20.0 | . | . | . | . | . | . | . | . | . | . |
| | | 5-9 | 159 | 36 | 23.2 | 21 | 58.3 | 12 | 57.1 | 1 | 0.7 | . | . | . | . | 3 | 2.1 |
| | | 10-14 | 436 | 126 | 30.3 | 70 | 55.6 | 34 | 48.6 | . | . | . | . | . | . | 3 | 0.8 |
| | | 15-20 | 348 | 132 | 38.9 | 57 | 43.2 | 31 | 54.4 | . | . | . | . | . | . | 9 | 2.8 |
| | Treatment | Surgery only | 71 | 29 | 40.8 | 18 | 62.1 | 6 | 33.3 | . | . | . | . | . | . | 1 | 1.6 |
| | | Chemotherapy, no radiation | 559 | 173 | 32.0 | 79 | 45.7 | 44 | 55.7 | . | . | . | . | . | . | 9 | 1.8 |
| | | Radiation, no chemotherapy | 7 | 3 | 50.0 | 3 | 100.0 | 2 | 66.7 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 262 | 78 | 31.2 | 38 | 48.7 | 22 | 57.9 | . | . | . | . | . | . | 4 | 1.7 |
| | | Unknown | 67 | 17 | 26.6 | 11 | 64.7 | 3 | 27.3 | 1 | 1.6 | . | . | . | . | 1 | 1.6 |

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¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded

n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|------|---------------|------|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 677 | 204 | 31.8 | 94 | 46.1 | 46 | 48.9 | 25 | 4.2 | 29 | 4.9 | 12 | 2.1 | 58 | 9.7 |
| | Age at baseline | 18-19 | 36 | 3 | 10.7 | 1 | 33.3 | . | . | 2 | 7.1 | 1 | 3.6 | . | . | 1 | 3.6 |
| | | 20-24 | 170 | 38 | 24.5 | 21 | 55.3 | 10 | 47.6 | 7 | 4.7 | 9 | 6.0 | . | . | 13 | 8.9 |
| | | 25-29 | 204 | 62 | 32.0 | 33 | 53.2 | 16 | 48.5 | 8 | 4.4 | 8 | 4.5 | 8 | 4.4 | 15 | 8.2 |
| | | 30-34 | 164 | 60 | 37.0 | 25 | 41.7 | 12 | 48.0 | 3 | 2.1 | 7 | 4.9 | 2 | 1.4 | 17 | 11.8 |
| | | 35+ | 103 | 41 | 39.8 | 14 | 34.1 | 8 | 57.1 | 5 | 5.6 | 4 | 4.5 | 2 | 2.3 | 12 | 12.9 |
| | Years since diagnosis | 5-9 | 71 | 13 | 24.1 | 3 | 23.1 | 2 | 66.7 | 6 | 11.5 | 4 | 7.7 | 1 | 2.0 | 3 | 6.0 |
| | | 10-14 | 222 | 62 | 29.4 | 32 | 51.6 | 15 | 46.9 | 7 | 3.5 | 11 | 5.6 | 2 | 1.0 | 15 | 7.6 |
| | | 15-19 | 219 | 75 | 34.9 | 35 | 46.7 | 21 | 60.0 | 8 | 4.0 | 9 | 4.5 | 6 | 3.0 | 25 | 12.4 |
| | | 20+ | 165 | 54 | 33.3 | 24 | 44.4 | 8 | 33.3 | 4 | 2.9 | 5 | 3.6 | 3 | 2.1 | 15 | 10.2 |
| | Age at diagnosis | 1-4 | 33 | 5 | 17.2 | 3 | 60.0 | 1 | 33.3 | 1 | 3.7 | 1 | 3.7 | 1 | 3.8 | 4 | 14.8 |
| | | 5-9 | 156 | 40 | 26.1 | 23 | 57.5 | 7 | 30.4 | 1 | 0.7 | 3 | 2.1 | 2 | 1.4 | 11 | 7.7 |
| | | 10-14 | 271 | 79 | 30.9 | 39 | 49.4 | 20 | 51.3 | 12 | 5.0 | 15 | 6.3 | 4 | 1.7 | 24 | 9.9 |
| | | 15-20 | 217 | 80 | 39.2 | 29 | 36.3 | 18 | 62.1 | 11 | 6.0 | 10 | 5.5 | 5 | 2.7 | 19 | 10.4 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 191 | 63 | 33.9 | 29 | 46.0 | 17 | 58.6 | 6 | 3.6 | 7 | 4.2 | 5 | 3.0 | 20 | 11.8 |
| | | Radiation, no chemotherapy | 2 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 426 | 122 | 30.6 | 56 | 45.9 | 27 | 48.2 | 15 | 4.0 | 20 | 5.4 | 6 | 1.6 | 36 | 9.6 |
| | | Unknown | 57 | 19 | 34.5 | 9 | 47.4 | 2 | 22.2 | 4 | 8.0 | 2 | 4.2 | 1 | 2.1 | 2 | 4.1 |
| Males | All cases | | 358 | 117 | 34.6 | 52 | 44.4 | 22 | 42.3 | 25 | 8.2 | 29 | 9.6 | 12 | 4.1 | 53 | 17.3 |
| | Age at baseline | 18-19 | 20 | 3 | 17.6 | 1 | 33.3 | . | . | 2 | 11.8 | 1 | 5.9 | . | . | 1 | 5.9 |
| | | 20-24 | 87 | 17 | 21.5 | 8 | 47.1 | 4 | 50.0 | 7 | 9.3 | 9 | 12.0 | . | . | 12 | 16.7 |
| | | 25-29 | 105 | 39 | 39.8 | 22 | 56.4 | 8 | 36.4 | 8 | 9.2 | 8 | 9.3 | 8 | 9.3 | 14 | 15.7 |
| | | 30-34 | 90 | 32 | 36.4 | 14 | 43.8 | 6 | 42.9 | 3 | 3.8 | 7 | 8.9 | 2 | 2.6 | 15 | 19.2 |
| | | 35+ | 56 | 26 | 46.4 | 7 | 26.9 | 4 | 57.1 | 5 | 10.4 | 4 | 8.9 | 2 | 4.4 | 11 | 22.0 |
| | Years since diagnosis | 5-9 | 41 | 11 | 32.4 | 3 | 27.3 | 2 | 66.7 | 6 | 18.8 | 4 | 12.5 | 1 | 3.3 | 3 | 10.0 |
| | | 10-14 | 111 | 32 | 31.1 | 14 | 43.8 | 3 | 21.4 | 7 | 7.4 | 11 | 11.8 | 2 | 2.2 | 13 | 14.0 |
| | | 15-19 | 119 | 43 | 37.4 | 23 | 53.5 | 13 | 56.5 | 8 | 7.4 | 9 | 8.5 | 6 | 5.7 | 23 | 21.5 |
| | | 20+ | 87 | 31 | 36.0 | 12 | 38.7 | 4 | 33.3 | 4 | 5.6 | 5 | 7.0 | 3 | 4.3 | 14 | 18.4 |
| | Age at diagnosis | 1-4 | 20 | 3 | 16.7 | 2 | 66.7 | 1 | 50.0 | 1 | 6.3 | 1 | 6.3 | 1 | 6.7 | 4 | 25.0 |
| | | 5-9 | 79 | 21 | 26.9 | 11 | 52.4 | 2 | 18.2 | 1 | 1.4 | 3 | 4.2 | 2 | 2.9 | 9 | 12.7 |
| | | 10-14 | 143 | 49 | 36.0 | 25 | 51.0 | 12 | 48.0 | 12 | 9.5 | 15 | 12.3 | 4 | 3.4 | 24 | 18.9 |
| | | 15-20 | 116 | 44 | 41.5 | 14 | 31.8 | 7 | 50.0 | 11 | 11.7 | 10 | 10.8 | 5 | 5.4 | 16 | 17.4 |
| | Treatment | Chemotherapy, no radiation | 101 | 36 | 36.7 | 19 | 52.8 | 10 | 52.6 | 6 | 6.9 | 7 | 8.0 | 5 | 5.8 | 19 | 21.1 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 222 | 64 | 31.1 | 25 | 39.1 | 10 | 40.0 | 15 | 8.0 | 20 | 10.8 | 6 | 3.4 | 32 | 17.2 |
| | | Unknown | 34 | 17 | 51.5 | 8 | 47.1 | 2 | 25.0 | 4 | 13.3 | 2 | 7.1 | 1 | 3.6 | 2 | 6.9 |
| Females | All cases | | 319 | 87 | 28.6 | 42 | 48.3 | 24 | 57.1 | . | . | . | . | . | . | 5 | 1.7 |
| | Age at baseline | 18-19 | 16 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 20-24 | 83 | 21 | 27.6 | 13 | 61.9 | 6 | 46.2 | . | . | . | . | . | . | 1 | 1.4 |
| | | 25-29 | 99 | 23 | 24.0 | 11 | 47.8 | 8 | 72.7 | . | . | . | . | . | . | 1 | 1.1 |
| | | 30-34 | 74 | 28 | 37.8 | 11 | 39.3 | 6 | 54.5 | . | . | . | . | . | . | 2 | 3.0 |
| | | 35+ | 47 | 15 | 31.9 | 7 | 46.7 | 4 | 57.1 | . | . | . | . | . | . | 1 | 2.3 |

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¹ % for 'Current Smoker' reflects skip pattern in the data. Denominator is those who ever smoked

² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

² For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

³ Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|------|---------------------------------------|------|---------------------------------|---|---------------|---|-------|---|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | Years since diagnosis | 5-9 | 30 | 2 | 10.0 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 10-14 | 111 | 30 | 27.8 | 18 | 60.0 | 12 | 66.7 | . | . | . | . | . | . | 2 | 1.9 |
| | | 15-19 | 100 | 32 | 32.0 | 12 | 37.5 | 8 | 66.7 | . | . | . | . | . | . | 2 | 2.1 |
| | | 20+ | 78 | 23 | 30.3 | 12 | 52.2 | 4 | 33.3 | . | . | . | . | . | . | 1 | 1.4 |
| | Age at diagnosis | 1-4 | 13 | 2 | 18.2 | 1 | 50.0 | . | . | . | . | . | . | . | . | . | . |
| | | 5-9 | 77 | 19 | 25.3 | 12 | 63.2 | 5 | 41.7 | . | . | . | . | . | . | 2 | 2.8 |
| | | 10-14 | 128 | 30 | 25.0 | 14 | 46.7 | 8 | 57.1 | . | . | . | . | . | . | . | . |
| | | 15-20 | 101 | 36 | 36.7 | 15 | 41.7 | 11 | 73.3 | . | . | . | . | . | . | 3 | 3.3 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 90 | 27 | 30.7 | 10 | 37.0 | 7 | 70.0 | . | . | . | . | . | . | 1 | 1.3 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 204 | 58 | 30.1 | 31 | 53.4 | 17 | 54.8 | . | . | . | . | . | . | 4 | 2.1 |
| | | Unknown | 23 | 2 | 9.1 | 1 | 50.0 | . | . | . | . | . | . | . | . | . | . |

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² % for 'Tried to quit' reflects skip pattern in the data. Denominator is those who are Current Smokers

³ For expansion, 'Tried to quit' is based on a report of trying least once in last 12 months (O.6)

Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|------------|-----------------------|----------------------------|-----------|-----------------------|------|--|-------|---------------------------------------|------|---------------------------------|------|---------------|-----|-------|-----|--------|------|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1228 | 423 | 35.9 | 212 | 50.1 | 93 | 43.9 | 50 | 4.7 | 23 | 2.2 | 16 | 1.5 | 95 | 8.8 |
| | Age at baseline | 18-19 | 30 | 4 | 15.4 | 1 | 25.0 | . | . | . | . | . | . | . | . | 2 | 8.0 |
| | | 20-24 | 198 | 56 | 31.6 | 31 | 55.4 | 17 | 54.8 | 12 | 7.1 | 2 | 1.2 | 1 | 0.6 | 12 | 6.9 |
| | | 25-29 | 344 | 99 | 30.3 | 51 | 51.5 | 21 | 41.2 | 18 | 5.9 | 7 | 2.4 | 6 | 2.0 | 23 | 7.5 |
| | | 30-34 | 373 | 144 | 39.1 | 69 | 47.9 | 29 | 42.0 | 10 | 3.0 | 5 | 1.5 | 6 | 1.8 | 28 | 8.3 |
| | | 35+ | 283 | 120 | 42.9 | 60 | 50.0 | 26 | 43.3 | 10 | 4.2 | 9 | 3.8 | 3 | 1.3 | 30 | 12.2 |
| | Years since diagnosis | 5-9 | 109 | 26 | 31.7 | 12 | 46.2 | . | . | 5 | 6.2 | 1 | 1.3 | 2 | 2.5 | 5 | 6.2 |
| | | 10-14 | 390 | 126 | 33.2 | 64 | 50.8 | 36 | 56.3 | 21 | 5.8 | 5 | 1.4 | 7 | 2.0 | 26 | 7.1 |
| | | 15-19 | 422 | 148 | 35.8 | 77 | 52.0 | 32 | 41.6 | 12 | 3.2 | 9 | 2.5 | 4 | 1.1 | 32 | 8.5 |
| | | 20+ | 307 | 123 | 40.6 | 59 | 48.0 | 25 | 42.4 | 12 | 4.7 | 8 | 3.2 | 3 | 1.2 | 32 | 12.2 |
| | Age at diagnosis | 1-4 | 19 | 4 | 21.1 | . | . | . | . | 1 | 5.9 | . | . | . | . | 1 | 5.6 |
| | | 5-9 | 151 | 42 | 28.4 | 23 | 54.8 | 12 | 52.2 | 6 | 4.7 | 3 | 2.4 | . | . | 16 | 11.8 |
| | | 10-14 | 527 | 173 | 34.1 | 92 | 53.2 | 41 | 44.6 | 23 | 5.0 | 9 | 2.0 | 8 | 1.8 | 34 | 7.3 |
| | | 15-20 | 531 | 204 | 40.5 | 97 | 47.5 | 40 | 41.2 | 20 | 4.3 | 11 | 2.4 | 8 | 1.8 | 44 | 9.5 |
| | Treatment | Surgery only | 86 | 35 | 41.2 | 22 | 62.9 | 10 | 45.5 | 2 | 2.5 | 1 | 1.3 | 2 | 2.6 | 5 | 6.5 |
| | | Chemotherapy, no radiation | 935 | 313 | 35.0 | 151 | 48.2 | 64 | 42.4 | 37 | 4.6 | 18 | 2.3 | 14 | 1.8 | 78 | 9.5 |
| | | Radiation, no chemotherapy | 10 | 5 | 55.6 | 4 | 80.0 | 2 | 50.0 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 79 | 25 | 32.9 | 9 | 36.0 | 5 | 55.6 | 1 | 1.4 | 2 | 2.9 | . | . | 7 | 9.6 |
| | | Unknown | 118 | 45 | 39.5 | 26 | 57.8 | 12 | 46.2 | 10 | 9.3 | 2 | 1.9 | . | . | 5 | 4.6 |
| Males | All cases | | 627 | 226 | 37.9 | 115 | 50.9 | 46 | 40.0 | 49 | 9.3 | 23 | 4.6 | 16 | 3.2 | 85 | 15.8 |
| | Age at baseline | 18-19 | 12 | 3 | 27.3 | . | . | . | . | . | . | . | . | . | . | 2 | 20.0 |
| | | 20-24 | 95 | 23 | 28.0 | 12 | 52.2 | 9 | 75.0 | 11 | 14.3 | 2 | 2.7 | 1 | 1.3 | 10 | 12.7 |
| | | 25-29 | 183 | 58 | 33.9 | 32 | 55.2 | 12 | 37.5 | 18 | 11.4 | 7 | 4.7 | 6 | 4.1 | 22 | 13.9 |
| | | 30-34 | 178 | 74 | 42.3 | 32 | 43.2 | 12 | 37.5 | 10 | 6.5 | 5 | 3.4 | 6 | 4.1 | 25 | 16.1 |
| | | 35+ | 159 | 68 | 43.0 | 39 | 57.4 | 13 | 33.3 | 10 | 7.6 | 9 | 7.0 | 3 | 2.4 | 26 | 19.1 |
| | Years since diagnosis | 5-9 | 55 | 11 | 28.9 | 4 | 36.4 | . | . | 5 | 13.2 | 1 | 2.7 | 2 | 5.4 | 5 | 13.5 |
| | | 10-14 | 208 | 71 | 35.3 | 38 | 53.5 | 22 | 57.9 | 20 | 10.8 | 5 | 2.8 | 7 | 3.9 | 23 | 12.2 |
| | | 15-19 | 210 | 77 | 37.4 | 38 | 49.4 | 13 | 34.2 | 12 | 6.6 | 9 | 5.2 | 4 | 2.3 | 28 | 15.1 |
| | | 20+ | 154 | 67 | 44.1 | 35 | 52.2 | 11 | 31.4 | 12 | 9.8 | 8 | 6.8 | 3 | 2.7 | 29 | 23.0 |
| | Age at diagnosis | 1-4 | 12 | 1 | 8.3 | . | . | . | . | 1 | 10.0 | . | . | . | . | 1 | 9.1 |
| | | 5-9 | 72 | 25 | 35.2 | 14 | 56.0 | 5 | 35.7 | 5 | 8.3 | 3 | 5.4 | . | . | 15 | 22.4 |
| | | 10-14 | 239 | 84 | 36.4 | 42 | 50.0 | 20 | 47.6 | 23 | 11.2 | 9 | 4.6 | 8 | 4.1 | 31 | 15.1 |
| | | 15-20 | 304 | 116 | 41.0 | 59 | 50.9 | 21 | 35.6 | 20 | 7.9 | 11 | 4.5 | 8 | 3.3 | 38 | 14.9 |
| | Treatment | Surgery only | 30 | 11 | 37.9 | 7 | 63.6 | 4 | 57.1 | 2 | 6.9 | 1 | 3.8 | 2 | 7.7 | 4 | 14.8 |
| | | Chemotherapy, no radiation | 475 | 170 | 37.7 | 84 | 49.4 | 29 | 34.5 | 37 | 9.4 | 18 | 4.8 | 14 | 3.8 | 70 | 17.4 |
| | | Radiation, no chemotherapy | 6 | 3 | 60.0 | 2 | 66.7 | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 40 | 12 | 31.6 | 6 | 50.0 | 3 | 50.0 | 1 | 2.9 | 2 | 6.5 | . | . | 7 | 20.0 |
| | | Unknown | 76 | 30 | 40.5 | 16 | 53.3 | 9 | 56.3 | 9 | 13.0 | 2 | 2.9 | . | . | 4 | 5.8 |
| Females | All cases | | 601 | 197 | 33.9 | 97 | 49.2 | 47 | 48.5 | 1 | 0.2 | . | . | . | . | 10 | 1.8 |
| | Age at baseline | 18-19 | 18 | 1 | 6.7 | 1 | 100.0 | . | . | . | . | . | . | . | . | . | . |
| | | 20-24 | 103 | 33 | 34.7 | 19 | 57.6 | 8 | 42.1 | 1 | 1.1 | . | . | . | . | 2 | 2.1 |
| | | 25-29 | 161 | 41 | 26.3 | 19 | 46.3 | 9 | 47.4 | . | . | . | . | . | . | 1 | 0.7 |
| | | 30-34 | 195 | 70 | 36.3 | 37 | 52.9 | 17 | 45.9 | . | . | . | . | . | . | 3 | 1.7 |

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| | | | | Cigarette smoking: | | | | | | Use of (N.2/O.7) ³ : | | | | | | | |
|--|-----------------------|----------------------------|-----------|-----------------------|------|--|-------|---------------------------------------|------|---------------------------------|-----|---------------|---|-------|---|--------|-----|
| | | | | Ever smoked (N.1/O.1) | | Current smoker (N.1d/O.3) ¹ | | Tried to quit (N.1e/O.6) ² | | Chewing tobacco | | Snuff tobacco | | Pipes | | Cigars | |
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | 35+ | 124 | 52 | 42.6 | 21 | 40.4 | 13 | 61.9 | . | . | . | . | . | . | 4 | 3.7 |
| | Years since diagnosis | 5-9 | 54 | 15 | 34.1 | 8 | 53.3 | . | . | . | . | . | . | . | . | . | . |
| | | 10-14 | 182 | 55 | 30.7 | 26 | 47.3 | 14 | 53.8 | 1 | 0.6 | . | . | . | . | 3 | 1.7 |
| | | 15-19 | 212 | 71 | 34.3 | 39 | 54.9 | 19 | 48.7 | . | . | . | . | . | . | 4 | 2.1 |
| | | 20+ | 153 | 56 | 37.1 | 24 | 42.9 | 14 | 58.3 | . | . | . | . | . | . | 3 | 2.2 |
| | Age at diagnosis | 1-4 | 7 | 3 | 42.9 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 5-9 | 79 | 17 | 22.1 | 9 | 52.9 | 7 | 77.8 | 1 | 1.5 | . | . | . | . | 1 | 1.4 |
| | | 10-14 | 288 | 89 | 32.2 | 50 | 56.2 | 21 | 42.0 | . | . | . | . | . | . | 3 | 1.1 |
| | | 15-20 | 227 | 88 | 39.8 | 38 | 43.2 | 19 | 50.0 | . | . | . | . | . | . | 6 | 2.9 |
| | Treatment | Surgery only | 56 | 24 | 42.9 | 15 | 62.5 | 6 | 40.0 | . | . | . | . | . | . | 1 | 2.0 |
| | | Chemotherapy, no radiation | 460 | 143 | 32.3 | 67 | 46.9 | 35 | 52.2 | . | . | . | . | . | . | 8 | 1.9 |
| | | Radiation, no chemotherapy | 4 | 2 | 50.0 | 2 | 100.0 | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 39 | 13 | 34.2 | 3 | 23.1 | 2 | 66.7 | . | . | . | . | . | . | . | . |
| | | Unknown | 42 | 15 | 37.5 | 10 | 66.7 | 3 | 30.0 | 1 | 2.6 | . | . | . | . | 1 | 2.6 |

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Use of other tobacco products is based on 'Yes, regularly use' or 'Yes, occasionally use' among those who responded
n=7 participants with no baseline informaton are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 25658 | 2640 | 11.1 | 2982 | 17.2 | 3239 | 13.9 | 3323 | 13.6 | 2243 | 9.7 | 3102 | 13.4 |
| | Age at baseline | <18 | 5685 | 256 | 5.2 | . | . | 561 | 11.5 | 602 | 11.2 | 247 | 5.1 | 525 | 10.8 |
| | | 18-19 | 2155 | 173 | 8.7 | 221 | 15.6 | 260 | 13.3 | 231 | 11.4 | 121 | 6.3 | 208 | 10.9 |
| | | 20-24 | 6010 | 594 | 10.7 | 864 | 17.0 | 768 | 14.1 | 739 | 13.0 | 481 | 8.9 | 649 | 12.0 |
| | | 25-29 | 5553 | 710 | 13.6 | 861 | 17.4 | 779 | 15.2 | 745 | 14.1 | 546 | 10.7 | 773 | 15.2 |
| | | 30-34 | 3865 | 534 | 14.4 | 644 | 17.8 | 524 | 14.4 | 592 | 16.0 | 505 | 13.9 | 564 | 15.6 |
| | | 35+ | 2390 | 373 | 16.1 | 392 | 17.2 | 347 | 15.2 | 414 | 17.9 | 343 | 15.0 | 383 | 16.8 |
| | Years since diagnosis | 5-9 | 2588 | 97 | 6.4 | 103 | 20.4 | 157 | 10.7 | 408 | 18.9 | 103 | 7.1 | 170 | 11.8 |
| | | 10-14 | 8347 | 706 | 9.0 | 722 | 17.4 | 914 | 11.8 | 956 | 12.0 | 625 | 8.1 | 973 | 12.7 |
| | | 15-19 | 8210 | 889 | 11.2 | 1107 | 16.6 | 1115 | 14.3 | 1011 | 12.9 | 764 | 9.8 | 1021 | 13.2 |
| | | 20+ | 6513 | 948 | 14.9 | 1050 | 17.5 | 1053 | 16.7 | 948 | 14.9 | 751 | 11.9 | 938 | 15.0 |
| | Age at diagnosis | <1 | 1926 | 132 | 7.1 | 100 | 15.1 | 247 | 13.3 | 209 | 11.2 | 86 | 4.7 | 174 | 9.5 |
| | | 1-4 | 8262 | 673 | 8.7 | 640 | 16.3 | 1050 | 13.7 | 889 | 11.2 | 541 | 7.1 | 875 | 11.5 |
| | | 5-9 | 5782 | 618 | 11.6 | 735 | 17.4 | 775 | 14.7 | 686 | 12.5 | 473 | 9.0 | 689 | 13.2 |
| | | 10-14 | 5444 | 675 | 13.6 | 884 | 18.4 | 684 | 13.9 | 814 | 15.8 | 633 | 13.0 | 775 | 15.9 |
| | | 15-20 | 4244 | 542 | 14.4 | 623 | 16.8 | 483 | 13.2 | 725 | 18.4 | 510 | 14.0 | 589 | 16.2 |
| | Treatment | Surgery only | 2162 | 194 | 9.3 | 251 | 17.0 | 279 | 13.5 | 239 | 11.5 | 161 | 7.8 | 214 | 10.4 |
| | | Chemotherapy, no radiation | 8136 | 696 | 9.0 | 909 | 17.1 | 841 | 10.9 | 880 | 11.2 | 702 | 9.1 | 1008 | 13.1 |
| | | Radiation, no chemotherapy | 2086 | 270 | 14.1 | 277 | 17.8 | 422 | 22.9 | 346 | 17.9 | 188 | 10.2 | 239 | 13.1 |
| | | Chemotherapy and radiation | 10771 | 1184 | 12.3 | 1284 | 17.6 | 1366 | 14.4 | 1470 | 14.5 | 917 | 9.7 | 1352 | 14.4 |
| | | Unknown | 2503 | 296 | 13.1 | 261 | 15.2 | 331 | 14.8 | 388 | 16.0 | 275 | 12.4 | 289 | 13.1 |
| Males | All cases | | 13721 | 1305 | 10.4 | 1455 | 16.1 | 1606 | 13.0 | 1488 | 11.4 | 1087 | 8.9 | 1376 | 11.3 |
| | Age at baseline | <18 | 3062 | 130 | 5.0 | . | . | 288 | 11.1 | 302 | 10.5 | 122 | 4.7 | 274 | 10.7 |
| | | 18-19 | 1125 | 77 | 7.5 | 96 | 14.0 | 131 | 13.0 | 112 | 10.5 | 54 | 5.4 | 91 | 9.3 |
| | | 20-24 | 3164 | 284 | 9.8 | 409 | 15.8 | 388 | 13.7 | 320 | 10.8 | 229 | 8.1 | 268 | 9.5 |
| | | 25-29 | 3085 | 366 | 12.7 | 447 | 16.6 | 399 | 14.1 | 336 | 11.5 | 259 | 9.2 | 352 | 12.6 |
| | | 30-34 | 2056 | 274 | 14.0 | 338 | 17.9 | 253 | 13.1 | 263 | 13.3 | 259 | 13.5 | 247 | 12.9 |
| | | 35+ | 1229 | 174 | 14.7 | 165 | 14.2 | 147 | 12.6 | 155 | 13.1 | 164 | 14.0 | 144 | 12.3 |
| | Years since diagnosis | 5-9 | 1453 | 62 | 7.7 | 57 | 21.5 | 81 | 10.5 | 214 | 17.8 | 51 | 6.6 | 91 | 11.9 |
| | | 10-14 | 4469 | 334 | 8.0 | 365 | 16.9 | 461 | 11.2 | 459 | 10.7 | 309 | 7.5 | 450 | 11.1 |
| | | 15-19 | 4317 | 426 | 10.2 | 511 | 14.9 | 544 | 13.3 | 421 | 10.2 | 368 | 9.1 | 429 | 10.6 |
| | | 20+ | 3482 | 483 | 14.2 | 522 | 16.5 | 520 | 15.4 | 394 | 11.6 | 359 | 10.7 | 406 | 12.1 |
| | Age at diagnosis | <1 | 983 | 65 | 6.8 | 46 | 14.3 | 124 | 13.1 | 96 | 10.0 | 44 | 4.7 | 88 | 9.4 |
| | | 1-4 | 4326 | 330 | 8.2 | 301 | 15.4 | 517 | 13.0 | 390 | 9.4 | 249 | 6.3 | 388 | 9.8 |
| | | 5-9 | 3261 | 324 | 10.9 | 370 | 16.0 | 432 | 14.7 | 355 | 11.5 | 229 | 7.9 | 333 | 11.5 |
| | | 10-14 | 2880 | 311 | 11.9 | 418 | 16.7 | 311 | 12.0 | 321 | 11.8 | 308 | 12.0 | 319 | 12.5 |
| | | 15-20 | 2271 | 275 | 14.0 | 320 | 16.6 | 222 | 11.7 | 326 | 15.7 | 257 | 13.5 | 248 | 13.1 |
| | Treatment | Surgery only | 1065 | 97 | 9.4 | 116 | 16.4 | 152 | 15.1 | 108 | 10.6 | 64 | 6.4 | 84 | 8.3 |
| | | Chemotherapy, no radiation | 4287 | 346 | 8.5 | 456 | 16.5 | 412 | 10.2 | 375 | 9.1 | 337 | 8.4 | 440 | 11.0 |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|----------------|------------------------------|----------------------------|--------------|-----------------------------|-------------|----------------------------|-------------|------------------------------------|-------------|----------------------------------|-------------|-------------------|-------------|----------------------|-------------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Radiation, no chemotherapy | 1086 | 138 | 14.0 | 140 | 17.5 | 201 | 21.2 | 161 | 16.0 | 78 | 8.2 | 102 | 10.9 |
| | | Chemotherapy and radiation | 5805 | 572 | 11.2 | 595 | 15.9 | 676 | 13.4 | 646 | 11.8 | 446 | 8.9 | 591 | 11.9 |
| | | Unknown | 1478 | 152 | 11.5 | 148 | 14.7 | 165 | 12.5 | 198 | 13.9 | 162 | 12.5 | 159 | 12.3 |
| Females | All cases | | 11937 | 1335 | 12.0 | 1527 | 18.3 | 1633 | 14.9 | 1835 | 16.2 | 1156 | 10.5 | 1726 | 15.8 |
| | Age at baseline | <18 | 2623 | 126 | 5.5 | . | . | 273 | 11.8 | 300 | 12.1 | 125 | 5.4 | 251 | 10.9 |
| | | 18-19 | 1030 | 96 | 10.1 | 125 | 17.2 | 129 | 13.7 | 119 | 12.3 | 67 | 7.1 | 117 | 12.5 |
| | | 20-24 | 2846 | 310 | 11.7 | 455 | 18.1 | 380 | 14.6 | 419 | 15.5 | 252 | 9.7 | 381 | 14.7 |
| | | 25-29 | 2468 | 344 | 14.7 | 414 | 18.4 | 380 | 16.5 | 409 | 17.4 | 287 | 12.5 | 421 | 18.4 |
| | | 30-34 | 1809 | 260 | 14.8 | 306 | 17.8 | 271 | 15.8 | 329 | 19.0 | 246 | 14.4 | 317 | 18.5 |
| | | 35+ | 1161 | 199 | 17.6 | 227 | 20.3 | 200 | 17.9 | 259 | 22.9 | 179 | 16.1 | 239 | 21.4 |
| | Years since diagnosis | 5-9 | 1135 | 35 | 5.0 | 46 | 19.2 | 76 | 11.0 | 194 | 20.3 | 52 | 7.6 | 79 | 11.6 |
| | | 10-14 | 3878 | 372 | 10.1 | 357 | 17.9 | 453 | 12.4 | 497 | 13.3 | 316 | 8.7 | 523 | 14.4 |
| | | 15-19 | 3893 | 463 | 12.3 | 596 | 18.3 | 571 | 15.4 | 590 | 15.9 | 396 | 10.7 | 592 | 16.0 |
| | | 20+ | 3031 | 465 | 15.6 | 528 | 18.5 | 533 | 18.1 | 554 | 18.8 | 392 | 13.4 | 532 | 18.2 |
| | Age at diagnosis | <1 | 943 | 67 | 7.4 | 54 | 15.8 | 123 | 13.6 | 113 | 12.4 | 42 | 4.7 | 86 | 9.6 |
| | | 1-4 | 3936 | 343 | 9.2 | 339 | 17.1 | 533 | 14.5 | 499 | 13.2 | 292 | 7.9 | 487 | 13.3 |
| | | 5-9 | 2521 | 294 | 12.5 | 365 | 19.1 | 343 | 14.7 | 331 | 13.8 | 244 | 10.5 | 356 | 15.4 |
| | | 10-14 | 2564 | 364 | 15.4 | 466 | 20.2 | 373 | 16.0 | 493 | 20.4 | 325 | 14.1 | 456 | 19.8 |
| | | 15-20 | 1973 | 267 | 14.8 | 303 | 17.0 | 261 | 14.9 | 399 | 21.5 | 253 | 14.5 | 341 | 19.5 |
| | Treatment | Surgery only | 1097 | 97 | 9.1 | 135 | 17.6 | 127 | 12.0 | 131 | 12.4 | 97 | 9.2 | 130 | 12.4 |
| | | Chemotherapy, no radiation | 3849 | 350 | 9.5 | 453 | 17.7 | 429 | 11.7 | 505 | 13.6 | 365 | 10.0 | 568 | 15.5 |
| | | Radiation, no chemotherapy | 1000 | 132 | 14.1 | 137 | 18.0 | 221 | 24.6 | 185 | 20.0 | 110 | 12.3 | 137 | 15.5 |
| | | Chemotherapy and radiation | 4966 | 612 | 13.5 | 689 | 19.5 | 690 | 15.5 | 824 | 17.7 | 471 | 10.6 | 761 | 17.2 |
| | | Unknown | 1025 | 144 | 15.4 | 113 | 16.1 | 166 | 17.9 | 190 | 19.1 | 113 | 12.3 | 130 | 14.2 |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 7872 | 692 | 9.5 | 847 | 17.2 | 752 | 10.5 | 736 | 9.8 | 578 | 8.1 | 885 | 12.5 |
| | Age at baseline | <18 | 2233 | 82 | 4.3 | . | . | 161 | 8.5 | 193 | 9.0 | 88 | 4.7 | 192 | 10.3 |
| | | 18-19 | 844 | 54 | 6.9 | 83 | 14.7 | 89 | 11.7 | 66 | 8.3 | 37 | 4.9 | 81 | 10.7 |
| | | 20-24 | 1964 | 201 | 10.8 | 306 | 17.9 | 203 | 11.1 | 189 | 10.1 | 147 | 8.2 | 223 | 12.4 |
| | | 25-29 | 1598 | 190 | 12.3 | 261 | 17.6 | 165 | 10.9 | 146 | 9.5 | 146 | 9.7 | 229 | 15.2 |
| | | 30-34 | 837 | 104 | 12.8 | 137 | 17.3 | 92 | 11.6 | 90 | 11.2 | 106 | 13.4 | 107 | 13.6 |
| | | 35+ | 396 | 61 | 15.7 | 60 | 15.8 | 42 | 11.1 | 52 | 13.6 | 54 | 14.1 | 53 | 13.9 |
| | Years since diagnosis | 5-9 | 980 | 35 | 5.9 | 27 | 20.3 | 42 | 7.1 | 124 | 14.1 | 46 | 7.9 | 61 | 10.6 |
| | | 10-14 | 2637 | 193 | 7.7 | 188 | 17.6 | 211 | 8.5 | 222 | 8.7 | 166 | 6.7 | 278 | 11.3 |
| | | 15-19 | 2439 | 236 | 9.9 | 332 | 16.4 | 267 | 11.5 | 214 | 9.2 | 191 | 8.3 | 295 | 12.8 |
| | | 20+ | 1816 | 228 | 12.7 | 300 | 17.7 | 232 | 13.2 | 176 | 9.9 | 175 | 9.9 | 251 | 14.3 |
| | Age at diagnosis | <1 | 241 | 19 | 8.2 | 6 | 8.8 | 46 | 19.9 | 28 | 12.2 | 9 | 4.0 | 12 | 5.3 |
| | | 1-4 | 3709 | 255 | 7.4 | 300 | 17.3 | 377 | 11.1 | 297 | 8.3 | 191 | 5.6 | 394 | 11.6 |
| | | 5-9 | 1924 | 190 | 10.7 | 246 | 18.0 | 156 | 8.9 | 172 | 9.4 | 146 | 8.4 | 239 | 13.9 |
| | | 10-14 | 1311 | 144 | 12.0 | 204 | 17.5 | 105 | 8.8 | 138 | 11.1 | 146 | 12.4 | 162 | 13.9 |
| | | 15-20 | 687 | 84 | 13.7 | 91 | 15.3 | 68 | 11.6 | 101 | 16.1 | 86 | 14.7 | 78 | 13.3 |
| | Treatment | Surgery only | 3 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 3367 | 277 | 8.6 | 346 | 17.5 | 319 | 10.0 | 261 | 8.0 | 214 | 6.7 | 389 | 12.3 |
| | | Radiation, no chemotherapy | 4 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 3762 | 335 | 9.9 | 426 | 17.4 | 359 | 10.9 | 393 | 11.1 | 297 | 9.1 | 415 | 12.7 |
| | | Unknown | 736 | 80 | 12.0 | 75 | 15.1 | 74 | 11.2 | 82 | 11.4 | 67 | 10.2 | 81 | 12.5 |
| Males | All cases | | 4200 | 337 | 8.8 | 381 | 15.0 | 364 | 9.6 | 320 | 7.9 | 274 | 7.3 | 406 | 10.9 |
| | Age at baseline | <18 | 1219 | 43 | 4.3 | . | . | 88 | 8.8 | 104 | 8.9 | 47 | 4.7 | 111 | 11.2 |
| | | 18-19 | 455 | 27 | 6.4 | 35 | 11.9 | 46 | 11.2 | 34 | 7.8 | 19 | 4.7 | 37 | 9.2 |
| | | 20-24 | 996 | 88 | 9.3 | 132 | 15.8 | 91 | 9.9 | 73 | 7.7 | 65 | 7.1 | 81 | 9.0 |
| | | 25-29 | 867 | 97 | 11.6 | 129 | 16.3 | 78 | 9.6 | 62 | 7.4 | 68 | 8.4 | 104 | 12.8 |
| | | 30-34 | 440 | 51 | 12.0 | 63 | 15.2 | 38 | 9.1 | 28 | 6.6 | 50 | 12.0 | 51 | 12.3 |
| | | 35+ | 223 | 31 | 14.3 | 22 | 10.4 | 23 | 10.8 | 19 | 8.9 | 25 | 11.6 | 22 | 10.3 |
| | Years since diagnosis | 5-9 | 557 | 23 | 7.3 | 15 | 22.1 | 27 | 8.6 | 76 | 15.1 | 24 | 7.7 | 38 | 12.4 |
| | | 10-14 | 1414 | 90 | 6.7 | 89 | 15.8 | 107 | 8.0 | 104 | 7.6 | 83 | 6.3 | 140 | 10.7 |
| | | 15-19 | 1254 | 106 | 8.6 | 131 | 12.9 | 116 | 9.8 | 78 | 6.5 | 87 | 7.4 | 114 | 9.7 |
| | | 20+ | 975 | 118 | 12.3 | 146 | 16.3 | 114 | 12.1 | 62 | 6.5 | 80 | 8.5 | 114 | 12.1 |
| | Age at diagnosis | <1 | 112 | 10 | 9.3 | 2 | 5.9 | 23 | 21.1 | 10 | 9.4 | 6 | 5.7 | 7 | 6.6 |
| | | 1-4 | 1985 | 129 | 7.0 | 143 | 16.2 | 183 | 10.2 | 138 | 7.2 | 92 | 5.1 | 184 | 10.3 |
| | | 5-9 | 1038 | 87 | 9.2 | 105 | 14.9 | 77 | 8.3 | 81 | 8.2 | 65 | 7.1 | 106 | 11.6 |
| | | 10-14 | 647 | 64 | 11.0 | 76 | 13.5 | 47 | 8.0 | 44 | 7.1 | 64 | 11.0 | 65 | 11.3 |
| | | 15-20 | 418 | 47 | 12.6 | 55 | 15.1 | 34 | 9.6 | 47 | 12.3 | 47 | 13.1 | 44 | 12.3 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 1689 | 132 | 8.2 | 161 | 16.7 | 167 | 10.5 | 114 | 7.0 | 94 | 5.9 | 158 | 10.0 |

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¹ General Health based on report of Fair or Poor health (N.15/O.21)

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⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|----------------|------------------------------|----------------------------|-------------|-----------------------------|-------------|----------------------------|-------------|------------------------------------|-------------|----------------------------------|-------------|-------------------|------------|----------------------|-------------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Radiation, no chemotherapy | 3 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 2066 | 162 | 8.9 | 183 | 14.3 | 169 | 9.5 | 177 | 9.0 | 142 | 8.0 | 197 | 11.1 |
| | | Unknown | 441 | 43 | 10.8 | 37 | 12.3 | 28 | 7.1 | 29 | 6.7 | 38 | 9.7 | 51 | 13.3 |
| Females | All cases | | 3672 | 355 | 10.3 | 466 | 19.5 | 388 | 11.5 | 416 | 11.9 | 304 | 9.0 | 479 | 14.3 |
| | Age at baseline | <18 | 1014 | 39 | 4.4 | . | . | 73 | 8.3 | 89 | 9.2 | 41 | 4.7 | 81 | 9.2 |
| | | 18-19 | 389 | 27 | 7.5 | 48 | 17.6 | 43 | 12.3 | 32 | 8.8 | 18 | 5.1 | 44 | 12.5 |
| | | 20-24 | 968 | 113 | 12.2 | 174 | 19.8 | 112 | 12.4 | 116 | 12.6 | 82 | 9.2 | 142 | 15.9 |
| | | 25-29 | 731 | 93 | 13.1 | 132 | 19.2 | 87 | 12.5 | 84 | 12.0 | 78 | 11.3 | 125 | 18.0 |
| | | 30-34 | 397 | 53 | 13.8 | 74 | 19.5 | 54 | 14.5 | 62 | 16.4 | 56 | 14.9 | 56 | 15.0 |
| | | 35+ | 173 | 30 | 17.5 | 38 | 22.8 | 19 | 11.4 | 33 | 19.5 | 29 | 17.4 | 31 | 18.6 |
| | Years since diagnosis | 5-9 | 423 | 12 | 4.3 | 12 | 18.5 | 15 | 5.4 | 48 | 12.8 | 22 | 8.1 | 23 | 8.5 |
| | | 10-14 | 1223 | 103 | 8.8 | 99 | 19.5 | 104 | 9.0 | 118 | 10.0 | 83 | 7.2 | 138 | 12.0 |
| | | 15-19 | 1185 | 130 | 11.2 | 201 | 19.9 | 151 | 13.4 | 136 | 12.1 | 104 | 9.3 | 181 | 16.1 |
| | | 20+ | 841 | 110 | 13.2 | 154 | 19.2 | 118 | 14.5 | 114 | 13.9 | 95 | 11.7 | 137 | 16.8 |
| | Age at diagnosis | <1 | 129 | 9 | 7.3 | 4 | 11.8 | 23 | 18.9 | 18 | 14.6 | 3 | 2.5 | 5 | 4.1 |
| | | 1-4 | 1724 | 126 | 7.8 | 157 | 18.4 | 194 | 12.1 | 159 | 9.6 | 99 | 6.2 | 210 | 13.1 |
| | | 5-9 | 886 | 103 | 12.4 | 141 | 21.2 | 79 | 9.7 | 91 | 10.8 | 81 | 10.0 | 133 | 16.4 |
| | | 10-14 | 664 | 80 | 13.0 | 128 | 21.3 | 58 | 9.7 | 94 | 14.9 | 82 | 13.8 | 97 | 16.3 |
| | | 15-20 | 269 | 37 | 15.5 | 36 | 15.5 | 34 | 14.8 | 54 | 21.9 | 39 | 17.1 | 34 | 14.9 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 1678 | 145 | 9.1 | 185 | 18.3 | 152 | 9.6 | 147 | 9.0 | 120 | 7.5 | 231 | 14.6 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 1696 | 173 | 11.0 | 243 | 20.7 | 190 | 12.5 | 216 | 13.6 | 155 | 10.3 | 218 | 14.5 |
| | | Unknown | 295 | 37 | 13.8 | 38 | 19.3 | 46 | 17.2 | 53 | 18.4 | 29 | 10.9 | 30 | 11.4 |

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n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 6615 | 550 | 9.0 | 705 | 17.1 | 567 | 9.4 | 592 | 9.3 | 490 | 8.2 | 738 | 12.4 |
| | Age at baseline | <18 | 1940 | 68 | 4.1 | . | . | 115 | 7.0 | 163 | 8.7 | 82 | 5.0 | 171 | 10.5 |
| | | 18-19 | 730 | 44 | 6.5 | 73 | 14.6 | 65 | 9.8 | 57 | 8.2 | 30 | 4.6 | 71 | 10.8 |
| | | 20-24 | 1687 | 176 | 10.9 | 268 | 17.7 | 155 | 9.8 | 156 | 9.7 | 133 | 8.5 | 195 | 12.5 |
| | | 25-29 | 1329 | 151 | 11.7 | 221 | 17.9 | 137 | 10.9 | 122 | 9.5 | 123 | 9.8 | 187 | 14.9 |
| | | 30-34 | 649 | 76 | 12.1 | 107 | 17.4 | 71 | 11.5 | 65 | 10.4 | 85 | 13.8 | 85 | 13.9 |
| | | 35+ | 280 | 35 | 12.8 | 36 | 13.4 | 24 | 8.9 | 29 | 10.7 | 37 | 13.7 | 29 | 10.8 |
| | Years since diagnosis | 5-9 | 844 | 28 | 5.3 | 22 | 20.0 | 37 | 7.0 | 103 | 13.4 | 40 | 7.7 | 53 | 10.2 |
| | | 10-14 | 2223 | 147 | 6.9 | 147 | 16.8 | 156 | 7.4 | 186 | 8.6 | 143 | 6.8 | 235 | 11.3 |
| | | 15-19 | 2022 | 193 | 9.8 | 283 | 16.5 | 190 | 9.9 | 161 | 8.4 | 159 | 8.3 | 249 | 13.1 |
| | | 20+ | 1526 | 182 | 12.1 | 253 | 17.6 | 184 | 12.5 | 142 | 9.5 | 148 | 10.0 | 201 | 13.6 |
| | Age at diagnosis | <1 | 133 | 10 | 8.0 | 3 | 7.0 | 23 | 18.7 | 18 | 14.4 | 7 | 5.7 | 6 | 4.9 |
| | | 1-4 | 3298 | 225 | 7.3 | 269 | 17.1 | 288 | 9.5 | 260 | 8.1 | 174 | 5.8 | 350 | 11.6 |
| | | 5-9 | 1691 | 159 | 10.1 | 221 | 18.5 | 133 | 8.6 | 147 | 9.1 | 126 | 8.2 | 211 | 13.9 |
| | | 10-14 | 1026 | 106 | 11.2 | 149 | 16.3 | 82 | 8.8 | 99 | 10.2 | 118 | 12.8 | 124 | 13.5 |
| | | 15-20 | 467 | 50 | 11.9 | 63 | 15.4 | 41 | 10.1 | 68 | 15.5 | 65 | 16.0 | 47 | 11.6 |
| | Treatment | Chemotherapy, no radiation | 2684 | 214 | 8.3 | 270 | 17.4 | 200 | 7.8 | 192 | 7.4 | 174 | 6.8 | 312 | 12.2 |
| | | Radiation, no chemotherapy | 4 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 3298 | 277 | 9.3 | 372 | 17.3 | 309 | 10.7 | 336 | 10.8 | 258 | 9.0 | 355 | 12.4 |
| | | Unknown | 629 | 59 | 10.4 | 63 | 14.9 | 58 | 10.2 | 64 | 10.4 | 58 | 10.3 | 71 | 12.9 |
| Males | All cases | | 3562 | 269 | 8.2 | 326 | 15.1 | 267 | 8.3 | 260 | 7.6 | 243 | 7.6 | 349 | 11.0 |
| | Age at baseline | <18 | 1060 | 34 | 3.9 | . | . | 58 | 6.7 | 88 | 8.6 | 45 | 5.2 | 96 | 11.1 |
| | | 18-19 | 398 | 23 | 6.2 | 34 | 13.0 | 32 | 8.9 | 32 | 8.4 | 16 | 4.5 | 34 | 9.7 |
| | | 20-24 | 857 | 75 | 9.1 | 116 | 15.6 | 62 | 7.8 | 57 | 7.0 | 59 | 7.4 | 75 | 9.5 |
| | | 25-29 | 733 | 78 | 11.0 | 112 | 16.7 | 69 | 10.0 | 54 | 7.6 | 59 | 8.6 | 87 | 12.6 |
| | | 30-34 | 347 | 39 | 11.6 | 49 | 15.0 | 32 | 9.7 | 19 | 5.7 | 44 | 13.3 | 45 | 13.7 |
| | | 35+ | 167 | 20 | 12.3 | 15 | 9.5 | 14 | 8.6 | 10 | 6.2 | 20 | 12.3 | 12 | 7.5 |
| | Years since diagnosis | 5-9 | 481 | 20 | 7.0 | 13 | 23.2 | 24 | 8.5 | 61 | 13.8 | 22 | 7.9 | 34 | 12.2 |
| | | 10-14 | 1201 | 66 | 5.8 | 72 | 15.3 | 76 | 6.7 | 91 | 7.8 | 75 | 6.6 | 120 | 10.7 |
| | | 15-19 | 1054 | 88 | 8.5 | 115 | 13.2 | 77 | 7.7 | 60 | 6.0 | 75 | 7.6 | 102 | 10.4 |
| | | 20+ | 826 | 95 | 11.7 | 126 | 16.4 | 90 | 11.3 | 48 | 5.9 | 71 | 8.9 | 93 | 11.7 |
| | Age at diagnosis | <1 | 64 | 6 | 9.7 | 1 | 4.3 | 11 | 18.0 | 6 | 10.0 | 5 | 8.5 | 3 | 5.1 |
| | | 1-4 | 1758 | 111 | 6.9 | 129 | 16.2 | 128 | 8.1 | 123 | 7.2 | 83 | 5.2 | 162 | 10.3 |
| | | 5-9 | 922 | 73 | 8.6 | 96 | 15.4 | 65 | 7.8 | 66 | 7.5 | 59 | 7.2 | 100 | 12.3 |
| | | 10-14 | 525 | 51 | 10.7 | 63 | 13.6 | 43 | 8.9 | 35 | 6.9 | 57 | 12.0 | 56 | 11.9 |
| | | 15-20 | 293 | 28 | 10.6 | 37 | 14.3 | 20 | 7.8 | 30 | 10.9 | 39 | 15.1 | 28 | 10.9 |
| | Treatment | Chemotherapy, no radiation | 1344 | 102 | 7.8 | 127 | 16.7 | 99 | 7.7 | 83 | 6.3 | 80 | 6.3 | 129 | 10.1 |
| | | Radiation, no chemotherapy | 3 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 1834 | 136 | 8.4 | 168 | 14.7 | 146 | 9.2 | 156 | 9.0 | 129 | 8.2 | 175 | 11.1 |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Unknown | 381 | 31 | 9.0 | 31 | 12.1 | 22 | 6.4 | 21 | 5.6 | 34 | 10.1 | 45 | 13.6 |
| Females | All cases | | 3053 | 281 | 9.8 | 379 | 19.2 | 300 | 10.7 | 332 | 11.4 | 247 | 8.8 | 389 | 13.9 |
| | Age at baseline | <18 | 880 | 34 | 4.4 | . | . | 57 | 7.4 | 75 | 8.9 | 37 | 4.8 | 75 | 9.8 |
| | | 18-19 | 332 | 21 | 6.7 | 39 | 16.3 | 33 | 10.9 | 25 | 8.0 | 14 | 4.6 | 37 | 12.2 |
| | | 20-24 | 830 | 101 | 12.7 | 152 | 19.8 | 93 | 12.0 | 99 | 12.6 | 74 | 9.7 | 120 | 15.6 |
| | | 25-29 | 596 | 73 | 12.5 | 109 | 19.3 | 68 | 12.0 | 68 | 11.8 | 64 | 11.3 | 100 | 17.6 |
| | | 30-34 | 302 | 37 | 12.5 | 58 | 20.1 | 39 | 13.7 | 46 | 16.0 | 41 | 14.4 | 40 | 14.0 |
| | | 35+ | 113 | 15 | 13.5 | 21 | 19.1 | 10 | 9.3 | 19 | 17.3 | 17 | 15.6 | 17 | 15.6 |
| | Years since diagnosis | 5-9 | 363 | 8 | 3.3 | 9 | 16.7 | 13 | 5.3 | 42 | 12.9 | 18 | 7.5 | 19 | 7.9 |
| | | 10-14 | 1022 | 81 | 8.3 | 75 | 18.6 | 80 | 8.3 | 95 | 9.6 | 68 | 7.1 | 115 | 12.0 |
| | | 15-19 | 968 | 105 | 11.1 | 168 | 20.0 | 113 | 12.3 | 101 | 11.1 | 84 | 9.2 | 147 | 16.0 |
| | | 20+ | 700 | 87 | 12.6 | 127 | 18.9 | 94 | 13.9 | 94 | 13.7 | 77 | 11.4 | 108 | 16.0 |
| | Age at diagnosis | <1 | 69 | 4 | 6.3 | 2 | 10.0 | 12 | 19.4 | 12 | 18.5 | 2 | 3.2 | 3 | 4.8 |
| | | 1-4 | 1540 | 114 | 7.8 | 140 | 18.0 | 160 | 11.1 | 137 | 9.2 | 91 | 6.3 | 188 | 13.1 |
| | | 5-9 | 769 | 86 | 11.9 | 125 | 21.9 | 68 | 9.6 | 81 | 11.1 | 67 | 9.5 | 111 | 15.7 |
| | | 10-14 | 501 | 55 | 11.8 | 86 | 19.0 | 39 | 8.6 | 64 | 13.6 | 61 | 13.7 | 68 | 15.2 |
| | | 15-20 | 174 | 22 | 14.2 | 26 | 17.3 | 21 | 14.1 | 38 | 23.5 | 26 | 17.6 | 19 | 12.8 |
| | Treatment | Chemotherapy, no radiation | 1340 | 112 | 8.7 | 143 | 18.0 | 101 | 7.9 | 109 | 8.4 | 94 | 7.4 | 183 | 14.4 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 1464 | 141 | 10.4 | 204 | 20.2 | 163 | 12.5 | 180 | 13.1 | 129 | 9.9 | 180 | 13.8 |
| | | Unknown | 248 | 28 | 12.4 | 32 | 19.3 | 36 | 15.9 | 43 | 17.8 | 24 | 10.8 | 26 | 11.8 |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

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⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | General Health ¹ | | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------------------------|-----|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 927 | 103 | 11.8 | 102 | 17.3 | 150 | 17.5 | 106 | 12.0 | 61 | 7.1 | 108 | 12.6 |
| | Age at baseline | <18 | 230 | 11 | 5.3 | . | . | 41 | 20.0 | 23 | 10.7 | 4 | 2.0 | 20 | 9.9 |
| | | 18-19 | 89 | 8 | 9.5 | 8 | 14.8 | 21 | 25.3 | 9 | 10.3 | 5 | 6.1 | 8 | 9.6 |
| | | 20-24 | 199 | 20 | 10.9 | 30 | 20.3 | 41 | 22.5 | 25 | 13.2 | 9 | 5.0 | 20 | 11.0 |
| | | 25-29 | 200 | 30 | 15.6 | 28 | 15.1 | 20 | 10.8 | 16 | 8.4 | 16 | 8.6 | 28 | 15.0 |
| | | 30-34 | 133 | 17 | 13.1 | 20 | 15.4 | 15 | 11.5 | 18 | 13.7 | 15 | 11.5 | 16 | 12.5 |
| | | 35+ | 76 | 17 | 23.0 | 16 | 21.9 | 12 | 17.1 | 15 | 21.1 | 12 | 16.4 | 16 | 21.9 |
| | Years since diagnosis | 5-9 | 85 | 6 | 11.5 | 4 | 20.0 | 5 | 10.2 | 14 | 19.4 | 3 | 6.1 | 7 | 14.3 |
| | | 10-14 | 319 | 35 | 11.4 | 31 | 21.4 | 46 | 15.2 | 28 | 9.2 | 16 | 5.3 | 33 | 11.0 |
| | | 15-19 | 323 | 33 | 10.6 | 36 | 14.8 | 63 | 20.3 | 40 | 12.9 | 23 | 7.4 | 32 | 10.3 |
| | | 20+ | 200 | 29 | 14.6 | 31 | 17.1 | 36 | 18.6 | 24 | 12.3 | 19 | 9.8 | 36 | 18.4 |
| | Age at diagnosis | <1 | 93 | 8 | 8.8 | 3 | 12.5 | 20 | 21.5 | 10 | 11.2 | 2 | 2.2 | 6 | 6.7 |
| | | 1-4 | 314 | 18 | 6.0 | 20 | 16.9 | 77 | 26.2 | 27 | 9.0 | 8 | 2.7 | 32 | 10.8 |
| | | 5-9 | 171 | 27 | 17.2 | 20 | 15.2 | 18 | 11.4 | 19 | 11.5 | 17 | 10.9 | 25 | 15.9 |
| | | 10-14 | 198 | 29 | 15.8 | 37 | 20.7 | 15 | 8.2 | 26 | 13.5 | 18 | 9.8 | 22 | 12.2 |
| | | 15-20 | 151 | 21 | 15.1 | 22 | 16.1 | 20 | 15.4 | 24 | 17.6 | 16 | 12.1 | 23 | 17.6 |
| | Treatment | Surgery only | 3 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 557 | 58 | 11.0 | 64 | 18.6 | 103 | 19.6 | 56 | 10.4 | 32 | 6.1 | 66 | 12.6 |
| | | Chemotherapy and radiation | 295 | 34 | 12.5 | 31 | 15.9 | 36 | 13.5 | 36 | 13.0 | 22 | 8.4 | 37 | 14.2 |
| | | Unknown | 72 | 11 | 16.4 | 7 | 14.0 | 11 | 17.5 | 14 | 20.3 | 7 | 10.6 | 5 | 7.5 |
| Males | All cases | | 454 | 46 | 11.0 | 35 | 13.0 | 79 | 19.2 | 38 | 8.8 | 18 | 4.4 | 41 | 10.0 |
| | Age at baseline | <18 | 125 | 7 | 6.4 | . | . | 27 | 25.0 | 11 | 9.4 | 1 | 0.9 | 14 | 13.1 |
| | | 18-19 | 45 | 3 | 7.3 | 1 | 4.0 | 13 | 32.5 | 2 | 4.7 | 2 | 5.0 | 3 | 7.5 |
| | | 20-24 | 95 | 9 | 10.5 | 12 | 18.8 | 24 | 28.2 | 10 | 10.9 | 4 | 4.8 | 4 | 4.8 |
| | | 25-29 | 90 | 13 | 14.8 | 10 | 11.8 | 4 | 4.7 | 4 | 4.6 | 5 | 6.0 | 9 | 10.6 |
| | | 30-34 | 64 | 8 | 12.7 | 7 | 11.3 | 6 | 9.5 | 6 | 9.5 | 3 | 4.8 | 3 | 4.9 |
| | | 35+ | 35 | 6 | 18.2 | 5 | 15.2 | 5 | 16.1 | 5 | 16.1 | 3 | 9.1 | 8 | 24.2 |
| | Years since diagnosis | 5-9 | 50 | 2 | 8.0 | 2 | 18.2 | 3 | 12.5 | 9 | 20.9 | 1 | 4.2 | 3 | 12.5 |
| | | 10-14 | 159 | 18 | 11.7 | 10 | 15.9 | 27 | 17.9 | 9 | 5.9 | 5 | 3.4 | 16 | 10.9 |
| | | 15-19 | 149 | 13 | 8.9 | 10 | 9.0 | 31 | 21.5 | 10 | 6.9 | 7 | 4.8 | 6 | 4.1 |
| | | 20+ | 96 | 13 | 13.7 | 13 | 15.5 | 18 | 19.4 | 10 | 10.8 | 5 | 5.4 | 16 | 17.0 |
| | Age at diagnosis | <1 | 40 | 4 | 10.5 | 1 | 10.0 | 10 | 25.0 | 4 | 10.5 | 1 | 2.6 | 4 | 10.3 |
| | | 1-4 | 171 | 10 | 6.1 | 8 | 13.1 | 49 | 30.4 | 9 | 5.4 | 3 | 1.9 | 16 | 9.9 |
| | | 5-9 | 79 | 10 | 14.3 | 6 | 10.9 | 7 | 10.0 | 9 | 11.8 | 4 | 5.9 | 5 | 7.2 |
| | | 10-14 | 81 | 11 | 15.1 | 7 | 10.0 | 3 | 4.2 | 5 | 6.4 | 5 | 6.9 | 5 | 7.0 |
| | | 15-20 | 83 | 11 | 14.9 | 13 | 17.8 | 10 | 14.5 | 11 | 14.9 | 5 | 7.0 | 11 | 15.7 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 269 | 26 | 10.3 | 25 | 15.9 | 58 | 23.3 | 20 | 7.8 | 10 | 4.0 | 22 | 8.9 |
| | | Chemotherapy and radiation | 145 | 15 | 11.5 | 7 | 8.4 | 18 | 14.0 | 13 | 9.4 | 6 | 4.8 | 15 | 12.0 |

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³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|----------------|------------------------------|----------------------------|------------|-----------------------------|-------------|----------------------------|-------------|------------------------------------|-------------|----------------------------------|-------------|-------------------|------------|----------------------|-------------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Unknown | 39 | 5 | 13.9 | 3 | 10.3 | 3 | 9.1 | 5 | 13.9 | 2 | 5.7 | 4 | 11.1 |
| Females | All cases | | 473 | 57 | 12.7 | 67 | 20.9 | 71 | 16.0 | 68 | 15.1 | 43 | 9.7 | 67 | 15.1 |
| | Age at baseline | <18 | 105 | 4 | 4.1 | . | . | 14 | 14.4 | 12 | 12.2 | 3 | 3.1 | 6 | 6.3 |
| | | 18-19 | 44 | 5 | 11.6 | 7 | 24.1 | 8 | 18.6 | 7 | 15.9 | 3 | 7.1 | 5 | 11.6 |
| | | 20-24 | 104 | 11 | 11.2 | 18 | 21.4 | 17 | 17.5 | 15 | 15.3 | 5 | 5.2 | 16 | 16.5 |
| | | 25-29 | 110 | 17 | 16.3 | 18 | 18.0 | 16 | 15.8 | 12 | 11.7 | 11 | 10.8 | 19 | 18.6 |
| | | 30-34 | 69 | 9 | 13.4 | 13 | 19.1 | 9 | 13.2 | 12 | 17.6 | 12 | 17.6 | 13 | 19.4 |
| | | 35+ | 41 | 11 | 26.8 | 11 | 27.5 | 7 | 17.9 | 10 | 25.0 | 9 | 22.5 | 8 | 20.0 |
| | Years since diagnosis | 5-9 | 35 | 4 | 14.8 | 2 | 22.2 | 2 | 8.0 | 5 | 17.2 | 2 | 8.0 | 4 | 16.0 |
| | | 10-14 | 160 | 17 | 11.0 | 21 | 25.6 | 19 | 12.5 | 19 | 12.3 | 11 | 7.2 | 17 | 11.2 |
| | | 15-19 | 174 | 20 | 12.0 | 26 | 19.5 | 32 | 19.2 | 30 | 18.1 | 16 | 9.8 | 26 | 15.8 |
| | | 20+ | 104 | 16 | 15.5 | 18 | 18.6 | 18 | 17.8 | 14 | 13.7 | 14 | 13.7 | 20 | 19.6 |
| | Age at diagnosis | <1 | 53 | 4 | 7.5 | 2 | 14.3 | 10 | 18.9 | 6 | 11.8 | 1 | 2.0 | 2 | 3.9 |
| | | 1-4 | 143 | 8 | 6.0 | 12 | 21.1 | 28 | 21.1 | 18 | 13.4 | 5 | 3.7 | 16 | 11.9 |
| | | 5-9 | 92 | 17 | 19.5 | 14 | 18.2 | 11 | 12.5 | 10 | 11.2 | 13 | 14.8 | 20 | 22.7 |
| | | 10-14 | 117 | 18 | 16.2 | 30 | 27.5 | 12 | 10.9 | 21 | 18.3 | 13 | 11.7 | 17 | 15.5 |
| | | 15-20 | 68 | 10 | 15.4 | 9 | 14.1 | 10 | 16.4 | 13 | 21.0 | 11 | 18.0 | 12 | 19.7 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 288 | 32 | 11.6 | 39 | 20.9 | 45 | 16.3 | 36 | 12.9 | 22 | 8.0 | 44 | 15.9 |
| | | Chemotherapy and radiation | 150 | 19 | 13.4 | 24 | 21.4 | 18 | 13.0 | 23 | 16.5 | 16 | 11.8 | 22 | 16.2 |
| | | Unknown | 33 | 6 | 19.4 | 4 | 19.0 | 8 | 26.7 | 9 | 27.3 | 5 | 16.1 | 1 | 3.2 |

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n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 4490 | 624 | 15.4 | 518 | 18.4 | 1276 | 31.8 | 887 | 21.3 | 412 | 10.3 | 510 | 12.9 |
| | Age at baseline | <18 | 953 | 82 | 10.8 | . | . | 230 | 30.4 | 211 | 24.7 | 64 | 8.5 | 115 | 15.4 |
| | | 18-19 | 377 | 43 | 12.8 | 36 | 16.1 | 100 | 30.3 | 60 | 17.3 | 24 | 7.3 | 35 | 10.9 |
| | | 20-24 | 1179 | 158 | 14.6 | 155 | 17.0 | 329 | 30.7 | 219 | 19.9 | 101 | 9.5 | 111 | 10.5 |
| | | 25-29 | 1084 | 178 | 17.5 | 160 | 18.0 | 347 | 34.4 | 202 | 19.9 | 105 | 10.5 | 132 | 13.2 |
| | | 30-34 | 623 | 114 | 18.9 | 114 | 20.7 | 181 | 30.6 | 134 | 22.6 | 82 | 14.0 | 79 | 13.5 |
| | | 35+ | 274 | 49 | 19.0 | 53 | 21.5 | 89 | 34.8 | 61 | 23.4 | 36 | 14.0 | 38 | 14.8 |
| | Years since diagnosis | 5-9 | 463 | 25 | 10.7 | 16 | 18.4 | 67 | 29.5 | 109 | 31.3 | 22 | 9.7 | 30 | 13.5 |
| | | 10-14 | 1540 | 195 | 13.8 | 128 | 16.6 | 368 | 26.2 | 272 | 18.9 | 119 | 8.5 | 185 | 13.3 |
| | | 15-19 | 1415 | 192 | 14.1 | 198 | 18.2 | 431 | 32.0 | 253 | 18.8 | 131 | 9.8 | 170 | 12.8 |
| | | 20+ | 1072 | 212 | 20.3 | 176 | 20.0 | 410 | 39.5 | 253 | 24.4 | 140 | 13.6 | 125 | 12.2 |
| | Age at diagnosis | <1 | 218 | 20 | 10.1 | 4 | 8.9 | 89 | 45.4 | 58 | 28.0 | 14 | 7.3 | 25 | 13.2 |
| | | 1-4 | 1322 | 159 | 13.1 | 87 | 16.4 | 394 | 32.8 | 277 | 22.2 | 112 | 9.4 | 151 | 12.8 |
| | | 5-9 | 1405 | 210 | 16.4 | 171 | 18.1 | 416 | 32.7 | 261 | 20.0 | 125 | 9.9 | 140 | 11.2 |
| | | 10-14 | 1067 | 162 | 16.8 | 183 | 20.2 | 272 | 28.3 | 196 | 19.8 | 112 | 11.8 | 139 | 14.6 |
| | | 15-20 | 478 | 73 | 18.2 | 73 | 18.6 | 105 | 27.3 | 95 | 22.6 | 49 | 12.5 | 55 | 14.2 |
| | Treatment | Surgery only | 1272 | 141 | 11.5 | 178 | 18.6 | 220 | 18.2 | 154 | 12.7 | 105 | 8.7 | 146 | 12.2 |
| | | Chemotherapy, no radiation | 355 | 30 | 9.0 | 32 | 17.2 | 91 | 27.4 | 61 | 18.0 | 25 | 7.6 | 45 | 13.6 |
| | | Radiation, no chemotherapy | 1171 | 173 | 16.4 | 157 | 20.1 | 361 | 34.8 | 252 | 23.1 | 124 | 11.9 | 128 | 12.5 |
| | | Chemotherapy and radiation | 1249 | 217 | 20.8 | 115 | 18.5 | 473 | 45.3 | 328 | 29.7 | 116 | 11.2 | 155 | 15.1 |
| | | Unknown | 443 | 63 | 16.0 | 36 | 13.1 | 131 | 33.6 | 92 | 21.7 | 42 | 10.9 | 36 | 9.5 |
| Males | All cases | | 2452 | 309 | 14.1 | 253 | 17.0 | 669 | 30.9 | 445 | 19.6 | 184 | 8.6 | 224 | 10.5 |
| | Age at baseline | <18 | 529 | 39 | 9.3 | . | . | 130 | 31.2 | 110 | 23.3 | 34 | 8.3 | 53 | 13.0 |
| | | 18-19 | 191 | 18 | 10.6 | 16 | 15.1 | 49 | 29.9 | 33 | 19.0 | 10 | 6.1 | 15 | 9.4 |
| | | 20-24 | 633 | 79 | 14.0 | 71 | 15.3 | 171 | 30.4 | 107 | 18.2 | 44 | 7.9 | 44 | 7.9 |
| | | 25-29 | 618 | 92 | 15.9 | 82 | 16.3 | 187 | 32.6 | 101 | 17.2 | 40 | 7.0 | 61 | 10.7 |
| | | 30-34 | 332 | 56 | 17.7 | 61 | 21.3 | 93 | 30.0 | 69 | 22.1 | 41 | 13.3 | 36 | 11.7 |
| | | 35+ | 149 | 25 | 17.7 | 23 | 17.2 | 39 | 28.5 | 25 | 17.6 | 15 | 10.8 | 15 | 10.9 |
| | Years since diagnosis | 5-9 | 263 | 16 | 12.7 | 8 | 16.7 | 34 | 28.3 | 55 | 28.5 | 11 | 9.2 | 10 | 8.5 |
| | | 10-14 | 832 | 88 | 11.7 | 58 | 14.6 | 209 | 27.9 | 149 | 19.3 | 57 | 7.7 | 79 | 10.7 |
| | | 15-19 | 772 | 93 | 12.6 | 102 | 17.7 | 223 | 30.6 | 124 | 16.8 | 52 | 7.2 | 76 | 10.5 |
| | | 20+ | 585 | 112 | 19.6 | 85 | 18.1 | 203 | 35.8 | 117 | 20.5 | 64 | 11.4 | 59 | 10.5 |
| | Age at diagnosis | <1 | 128 | 10 | 8.5 | 2 | 8.3 | 51 | 43.6 | 33 | 26.6 | 8 | 7.0 | 17 | 14.8 |
| | | 1-4 | 698 | 77 | 12.1 | 46 | 17.4 | 200 | 31.6 | 134 | 20.4 | 51 | 8.2 | 65 | 10.5 |
| | | 5-9 | 786 | 115 | 16.2 | 81 | 15.8 | 232 | 33.0 | 140 | 19.2 | 56 | 8.0 | 67 | 9.7 |
| | | 10-14 | 570 | 71 | 14.0 | 86 | 18.0 | 130 | 25.7 | 92 | 17.2 | 49 | 9.7 | 52 | 10.3 |
| | | 15-20 | 270 | 36 | 16.4 | 38 | 18.1 | 56 | 27.2 | 46 | 20.0 | 20 | 9.5 | 23 | 11.2 |
| | Treatment | Surgery only | 649 | 72 | 11.6 | 79 | 16.7 | 122 | 20.0 | 75 | 12.2 | 42 | 6.9 | 59 | 9.7 |
| | | Chemotherapy, no radiation | 191 | 12 | 6.7 | 15 | 15.2 | 49 | 27.5 | 31 | 17.1 | 11 | 6.2 | 19 | 10.7 |

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² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|------|-----------|-----------------------------|-----|----------------------------|-----|------------------------------------|-----|----------------------------------|-----|-------------------|-----|----------------------|---|
| | | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Radiation, no chemotherapy | 616 | 86 | 15.8 | 80 | 19.9 | 169 | 31.8 | 118 | 20.8 | 45 | 8.5 | 52 | 9.9 | |
| | | Chemotherapy and radiation | 742 | 109 | 17.5 | 60 | 16.7 | 260 | 41.6 | 170 | 25.6 | 63 | 10.2 | 73 | 12.0 | |
| | | Unknown | 254 | 30 | 13.5 | 19 | 12.2 | 69 | 31.2 | 51 | 20.9 | 23 | 10.4 | 21 | 9.6 | |
| Females | All cases | | 2038 | 315 | 16.9 | 265 | 19.9 | 607 | 32.8 | 442 | 23.3 | 228 | 12.4 | 286 | 15.7 | |
| | Age at baseline | <18 | 424 | 43 | 12.6 | . | . | 100 | 29.5 | 101 | 26.4 | 30 | 8.8 | 62 | 18.5 | |
| | | 18-19 | 186 | 25 | 15.1 | 20 | 16.9 | 51 | 30.7 | 27 | 15.6 | 14 | 8.5 | 20 | 12.3 | |
| | | 20-24 | 546 | 79 | 15.3 | 84 | 18.7 | 158 | 31.0 | 112 | 21.9 | 57 | 11.3 | 67 | 13.4 | |
| | | 25-29 | 466 | 86 | 19.6 | 78 | 20.2 | 160 | 36.9 | 101 | 23.5 | 65 | 15.1 | 71 | 16.6 | |
| | | 30-34 | 291 | 58 | 20.4 | 53 | 20.0 | 88 | 31.2 | 65 | 23.2 | 41 | 14.7 | 43 | 15.5 | |
| | | 35+ | 125 | 24 | 20.5 | 30 | 26.5 | 50 | 42.0 | 36 | 30.3 | 21 | 17.6 | 23 | 19.5 | |
| | Years since diagnosis | 5-9 | 200 | 9 | 8.4 | 8 | 20.5 | 33 | 30.8 | 54 | 34.8 | 11 | 10.3 | 20 | 19.2 | |
| | | 10-14 | 708 | 107 | 16.2 | 70 | 18.8 | 159 | 24.3 | 123 | 18.5 | 62 | 9.5 | 106 | 16.3 | |
| | | 15-19 | 643 | 99 | 16.0 | 96 | 18.8 | 208 | 33.7 | 129 | 21.1 | 79 | 13.0 | 94 | 15.6 | |
| | | 20+ | 487 | 100 | 21.1 | 91 | 22.3 | 207 | 43.9 | 136 | 29.3 | 76 | 16.3 | 66 | 14.2 | |
| | Age at diagnosis | <1 | 90 | 10 | 12.5 | 2 | 9.5 | 38 | 48.1 | 25 | 30.1 | 6 | 7.8 | 8 | 10.7 | |
| | | 1-4 | 624 | 82 | 14.3 | 41 | 15.4 | 194 | 34.0 | 143 | 24.3 | 61 | 10.8 | 86 | 15.4 | |
| | | 5-9 | 619 | 95 | 16.7 | 90 | 20.7 | 184 | 32.4 | 121 | 20.9 | 69 | 12.1 | 73 | 13.0 | |
| | | 10-14 | 497 | 91 | 19.9 | 97 | 22.7 | 142 | 31.2 | 104 | 22.8 | 63 | 14.1 | 87 | 19.6 | |
| | | 15-20 | 208 | 37 | 20.3 | 35 | 19.2 | 49 | 27.5 | 49 | 25.8 | 29 | 15.9 | 32 | 17.6 | |
| | Treatment | Surgery only | 623 | 69 | 11.5 | 99 | 20.4 | 98 | 16.3 | 79 | 13.2 | 63 | 10.6 | 87 | 14.6 | |
| | | Chemotherapy, no radiation | 164 | 18 | 11.5 | 17 | 19.5 | 42 | 27.3 | 30 | 19.1 | 14 | 9.1 | 26 | 16.8 | |
| | | Radiation, no chemotherapy | 555 | 87 | 17.0 | 77 | 20.3 | 192 | 37.9 | 134 | 25.6 | 79 | 15.6 | 76 | 15.3 | |
| | | Chemotherapy and radiation | 507 | 108 | 25.6 | 55 | 21.0 | 213 | 50.7 | 158 | 36.0 | 53 | 12.7 | 82 | 19.7 | |
| | | Unknown | 189 | 33 | 19.3 | 17 | 14.4 | 62 | 36.7 | 41 | 22.9 | 19 | 11.5 | 15 | 9.4 | |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

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³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 2688 | 370 | 15.0 | 338 | 18.9 | 728 | 29.9 | 531 | 21.1 | 258 | 10.7 | 325 | 13.5 |
| | Age at baseline | <18 | 528 | 45 | 10.3 | . | . | 124 | 28.6 | 116 | 23.9 | 33 | 7.7 | 73 | 17.2 |
| | | 18-19 | 215 | 24 | 12.1 | 25 | 17.6 | 57 | 29.4 | 32 | 16.1 | 14 | 7.3 | 20 | 10.5 |
| | | 20-24 | 713 | 100 | 15.2 | 107 | 18.5 | 185 | 28.3 | 131 | 19.7 | 70 | 10.7 | 74 | 11.5 |
| | | 25-29 | 664 | 106 | 17.1 | 100 | 18.1 | 206 | 33.4 | 132 | 21.1 | 68 | 11.1 | 80 | 13.1 |
| | | 30-34 | 386 | 67 | 18.0 | 70 | 20.1 | 100 | 27.2 | 81 | 22.0 | 51 | 14.1 | 48 | 13.4 |
| | | 35+ | 182 | 28 | 16.5 | 36 | 21.4 | 56 | 32.9 | 39 | 22.5 | 22 | 12.7 | 30 | 17.5 |
| | Years since diagnosis | 5-9 | 237 | 13 | 10.1 | 10 | 20.0 | 37 | 29.4 | 53 | 29.1 | 14 | 11.3 | 16 | 13.2 |
| | | 10-14 | 906 | 109 | 13.0 | 91 | 19.5 | 206 | 24.8 | 151 | 17.8 | 72 | 8.7 | 125 | 15.2 |
| | | 15-19 | 831 | 114 | 14.3 | 113 | 16.8 | 229 | 28.9 | 160 | 20.0 | 81 | 10.3 | 98 | 12.6 |
| | | 20+ | 714 | 134 | 19.3 | 124 | 20.6 | 256 | 37.3 | 167 | 24.3 | 91 | 13.3 | 86 | 12.6 |
| | Age at diagnosis | <1 | 150 | 17 | 12.8 | 2 | 6.1 | 67 | 50.8 | 46 | 32.6 | 8 | 6.3 | 19 | 15.1 |
| | | 1-4 | 801 | 94 | 12.6 | 60 | 16.4 | 217 | 29.4 | 166 | 21.8 | 73 | 10.0 | 95 | 13.1 |
| | | 5-9 | 793 | 116 | 15.7 | 108 | 18.6 | 211 | 28.9 | 146 | 19.5 | 72 | 9.9 | 83 | 11.5 |
| | | 10-14 | 641 | 102 | 17.2 | 122 | 21.7 | 169 | 28.5 | 113 | 18.7 | 76 | 13.0 | 89 | 15.2 |
| | | 15-20 | 303 | 41 | 16.2 | 46 | 18.5 | 64 | 26.4 | 60 | 22.9 | 29 | 11.6 | 39 | 16.0 |
| | Treatment | Surgery only | 1047 | 117 | 11.6 | 144 | 17.7 | 166 | 16.6 | 127 | 12.7 | 88 | 8.9 | 120 | 12.0 |
| | | Chemotherapy, no radiation | 255 | 23 | 9.6 | 24 | 18.0 | 69 | 29.2 | 43 | 17.8 | 15 | 6.4 | 33 | 14.0 |
| | | Radiation, no chemotherapy | 730 | 113 | 17.3 | 103 | 21.0 | 240 | 37.3 | 175 | 25.8 | 82 | 12.8 | 93 | 14.7 |
| | | Chemotherapy and radiation | 371 | 74 | 24.6 | 42 | 23.9 | 162 | 53.5 | 119 | 37.1 | 44 | 14.9 | 54 | 18.6 |
| | | Unknown | 285 | 43 | 16.8 | 25 | 14.1 | 91 | 35.7 | 67 | 24.5 | 29 | 11.6 | 25 | 10.2 |
| Males | All cases | | 1405 | 178 | 14.0 | 155 | 17.1 | 369 | 29.5 | 255 | 19.5 | 110 | 8.9 | 135 | 11.0 |
| | Age at baseline | <18 | 279 | 22 | 9.6 | . | . | 71 | 31.0 | 59 | 23.0 | 18 | 8.1 | 35 | 15.8 |
| | | 18-19 | 109 | 9 | 8.9 | 12 | 16.7 | 28 | 29.5 | 17 | 17.2 | 6 | 6.4 | 9 | 9.7 |
| | | 20-24 | 354 | 46 | 14.5 | 42 | 15.6 | 89 | 28.1 | 61 | 18.7 | 28 | 8.8 | 26 | 8.3 |
| | | 25-29 | 371 | 52 | 15.2 | 51 | 16.5 | 107 | 31.4 | 63 | 17.9 | 25 | 7.4 | 34 | 10.1 |
| | | 30-34 | 195 | 34 | 18.3 | 35 | 20.5 | 51 | 28.3 | 39 | 21.5 | 23 | 12.8 | 19 | 10.7 |
| | | 35+ | 97 | 15 | 16.7 | 15 | 17.2 | 23 | 26.1 | 16 | 17.4 | 10 | 11.1 | 12 | 13.6 |
| | Years since diagnosis | 5-9 | 125 | 7 | 10.6 | 3 | 11.5 | 17 | 27.0 | 24 | 25.0 | 7 | 11.5 | 5 | 8.2 |
| | | 10-14 | 479 | 47 | 10.9 | 42 | 17.8 | 125 | 29.1 | 84 | 19.0 | 35 | 8.3 | 55 | 13.1 |
| | | 15-19 | 422 | 53 | 13.2 | 52 | 15.6 | 107 | 27.1 | 72 | 18.0 | 29 | 7.3 | 39 | 9.9 |
| | | 20+ | 379 | 71 | 19.3 | 58 | 18.5 | 120 | 33.1 | 75 | 20.4 | 39 | 10.8 | 36 | 10.1 |
| | Age at diagnosis | <1 | 86 | 8 | 10.5 | 1 | 5.6 | 37 | 48.7 | 26 | 31.7 | 5 | 6.8 | 12 | 16.4 |
| | | 1-4 | 403 | 44 | 11.8 | 32 | 18.0 | 101 | 27.2 | 77 | 20.1 | 31 | 8.4 | 40 | 10.9 |
| | | 5-9 | 421 | 64 | 16.6 | 46 | 15.3 | 115 | 30.3 | 73 | 18.7 | 31 | 8.3 | 38 | 10.2 |
| | | 10-14 | 328 | 42 | 14.1 | 52 | 18.3 | 83 | 28.0 | 52 | 16.8 | 32 | 10.8 | 28 | 9.5 |
| | | 15-20 | 167 | 20 | 14.8 | 24 | 18.6 | 33 | 26.0 | 27 | 19.3 | 11 | 8.5 | 17 | 13.5 |
| | Treatment | Surgery only | 524 | 64 | 12.7 | 61 | 15.4 | 94 | 19.1 | 60 | 12.1 | 36 | 7.4 | 46 | 9.4 |
| | | Chemotherapy, no radiation | 142 | 10 | 7.6 | 10 | 13.5 | 37 | 28.2 | 19 | 14.3 | 6 | 4.6 | 13 | 10.0 |

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⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|-----------|-----|-----------------------------|-----|----------------------------|-----|------------------------------------|-----|----------------------------------|-----|-------------------|-----|----------------------|--|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | |
| | | Radiation, no chemotherapy | 370 | 49 | 15.2 | 51 | 20.6 | 108 | 34.1 | 78 | 23.0 | 27 | 8.6 | 39 | 12.5 | |
| | | Chemotherapy and radiation | 211 | 35 | 20.6 | 19 | 19.8 | 82 | 47.7 | 59 | 32.1 | 23 | 13.8 | 24 | 14.8 | |
| | | Unknown | 158 | 20 | 14.3 | 14 | 14.4 | 48 | 34.5 | 39 | 25.5 | 18 | 12.9 | 13 | 9.4 | |
| Females | All cases | | 1283 | 192 | 16.1 | 183 | 20.8 | 359 | 30.3 | 276 | 22.8 | 148 | 12.6 | 190 | 16.3 | |
| | Age at baseline | <18 | 249 | 23 | 11.1 | . | . | 53 | 25.9 | 57 | 24.9 | 15 | 7.3 | 38 | 18.8 | |
| | | 18-19 | 106 | 15 | 15.3 | 13 | 18.6 | 29 | 29.3 | 15 | 15.0 | 8 | 8.2 | 11 | 11.3 | |
| | | 20-24 | 359 | 54 | 15.8 | 65 | 21.0 | 96 | 28.5 | 70 | 20.6 | 42 | 12.5 | 48 | 14.5 | |
| | | 25-29 | 293 | 54 | 19.4 | 49 | 20.1 | 99 | 35.9 | 69 | 25.1 | 43 | 15.7 | 46 | 16.8 | |
| | | 30-34 | 191 | 33 | 17.6 | 35 | 19.8 | 49 | 26.2 | 42 | 22.5 | 28 | 15.4 | 29 | 16.0 | |
| | | 35+ | 85 | 13 | 16.3 | 21 | 25.9 | 33 | 40.2 | 23 | 28.4 | 12 | 14.5 | 18 | 21.7 | |
| | Years since diagnosis | 5-9 | 112 | 6 | 9.5 | 7 | 29.2 | 20 | 31.7 | 29 | 33.7 | 7 | 11.1 | 11 | 18.3 | |
| | | 10-14 | 427 | 62 | 15.3 | 49 | 21.2 | 81 | 20.2 | 67 | 16.5 | 37 | 9.2 | 70 | 17.5 | |
| | | 15-19 | 409 | 61 | 15.3 | 61 | 18.1 | 122 | 30.7 | 88 | 22.1 | 52 | 13.3 | 59 | 15.3 | |
| | | 20+ | 335 | 63 | 19.3 | 66 | 22.8 | 136 | 42.0 | 92 | 28.8 | 52 | 16.1 | 50 | 15.5 | |
| | Age at diagnosis | <1 | 64 | 9 | 15.8 | 1 | 6.7 | 30 | 53.6 | 20 | 33.9 | 3 | 5.5 | 7 | 13.2 | |
| | | 1-4 | 398 | 50 | 13.5 | 28 | 14.9 | 116 | 31.7 | 89 | 23.5 | 42 | 11.6 | 55 | 15.2 | |
| | | 5-9 | 372 | 52 | 14.8 | 62 | 22.1 | 96 | 27.3 | 73 | 20.4 | 41 | 11.7 | 45 | 13.0 | |
| | | 10-14 | 313 | 60 | 20.3 | 70 | 25.2 | 86 | 29.0 | 61 | 20.8 | 44 | 15.2 | 61 | 21.1 | |
| | | 15-20 | 136 | 21 | 17.8 | 22 | 18.5 | 31 | 27.0 | 33 | 27.0 | 18 | 15.1 | 22 | 18.6 | |
| | Treatment | Surgery only | 523 | 53 | 10.4 | 83 | 19.9 | 72 | 14.2 | 67 | 13.2 | 52 | 10.3 | 74 | 14.6 | |
| | | Chemotherapy, no radiation | 113 | 13 | 12.1 | 14 | 23.7 | 32 | 30.5 | 24 | 22.2 | 9 | 8.6 | 20 | 18.9 | |
| | | Radiation, no chemotherapy | 360 | 64 | 19.5 | 52 | 21.3 | 132 | 40.5 | 97 | 28.5 | 55 | 16.8 | 54 | 16.9 | |
| | | Chemotherapy and radiation | 160 | 39 | 29.8 | 23 | 28.8 | 80 | 61.1 | 60 | 43.8 | 21 | 16.3 | 30 | 23.3 | |
| | | Unknown | 127 | 23 | 19.8 | 11 | 13.8 | 43 | 37.1 | 28 | 23.3 | 11 | 9.9 | 12 | 11.1 | |

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n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1040 | 159 | 17.4 | 99 | 17.5 | 365 | 39.9 | 228 | 23.8 | 83 | 9.1 | 111 | 12.3 |
| | Age at baseline | <18 | 246 | 24 | 13.6 | . | . | 69 | 39.0 | 63 | 30.0 | 18 | 10.2 | 24 | 13.6 |
| | | 18-19 | 83 | 11 | 15.5 | 3 | 7.9 | 24 | 33.8 | 17 | 22.4 | 4 | 5.7 | 10 | 14.5 |
| | | 20-24 | 291 | 37 | 14.1 | 26 | 13.1 | 106 | 40.2 | 54 | 19.9 | 16 | 6.2 | 21 | 8.2 |
| | | 25-29 | 252 | 47 | 19.3 | 41 | 21.0 | 94 | 39.0 | 49 | 20.4 | 20 | 8.3 | 34 | 14.2 |
| | | 30-34 | 131 | 29 | 22.8 | 24 | 22.6 | 55 | 43.7 | 35 | 28.2 | 19 | 15.1 | 18 | 14.2 |
| | | 35+ | 37 | 11 | 30.6 | 5 | 16.7 | 17 | 48.6 | 10 | 27.8 | 6 | 16.7 | 4 | 11.1 |
| | Years since diagnosis | 5-9 | 124 | 8 | 16.3 | 1 | 9.1 | 20 | 40.8 | 35 | 39.3 | 5 | 10.0 | 6 | 12.2 |
| | | 10-14 | 355 | 48 | 15.0 | 19 | 11.4 | 99 | 30.7 | 79 | 23.8 | 20 | 6.2 | 36 | 11.3 |
| | | 15-19 | 344 | 48 | 14.5 | 48 | 20.2 | 133 | 40.5 | 60 | 18.5 | 29 | 9.0 | 44 | 13.7 |
| | | 20+ | 217 | 55 | 25.5 | 31 | 20.4 | 113 | 52.8 | 54 | 25.5 | 29 | 13.6 | 25 | 11.7 |
| | Age at diagnosis | <1 | 28 | 2 | 7.4 | . | . | 12 | 44.4 | 5 | 18.5 | 2 | 7.7 | 3 | 11.5 |
| | | 1-4 | 298 | 43 | 15.9 | 17 | 18.3 | 123 | 45.6 | 73 | 26.1 | 22 | 8.3 | 34 | 12.9 |
| | | 5-9 | 422 | 66 | 17.9 | 40 | 16.7 | 151 | 41.0 | 83 | 21.7 | 34 | 9.3 | 39 | 10.7 |
| | | 10-14 | 230 | 38 | 18.9 | 33 | 17.9 | 66 | 33.0 | 49 | 23.3 | 17 | 8.4 | 27 | 13.4 |
| | | 15-20 | 62 | 10 | 20.4 | 9 | 19.6 | 13 | 26.5 | 18 | 31.6 | 8 | 16.3 | 8 | 16.3 |
| | Treatment | Surgery only | 8 | 2 | 25.0 | 1 | 20.0 | 4 | 50.0 | 3 | 37.5 | 1 | 12.5 | 1 | 12.5 |
| | | Chemotherapy, no radiation | 53 | 4 | 7.8 | 5 | 18.5 | 11 | 21.6 | 10 | 19.6 | 3 | 5.9 | 9 | 17.6 |
| | | Radiation, no chemotherapy | 208 | 32 | 16.6 | 29 | 22.0 | 65 | 34.4 | 38 | 18.9 | 18 | 9.5 | 15 | 8.0 |
| | | Chemotherapy and radiation | 692 | 112 | 18.8 | 62 | 17.3 | 264 | 44.1 | 166 | 26.7 | 56 | 9.4 | 82 | 13.8 |
| | | Unknown | 79 | 9 | 13.2 | 2 | 4.5 | 21 | 30.9 | 11 | 14.7 | 5 | 7.5 | 4 | 6.2 |
| Males | All cases | | 632 | 96 | 17.3 | 61 | 18.5 | 211 | 38.1 | 131 | 22.3 | 49 | 8.9 | 58 | 10.6 |
| | Age at baseline | <18 | 147 | 11 | 10.3 | . | . | 39 | 36.1 | 36 | 28.1 | 10 | 9.3 | 9 | 8.4 |
| | | 18-19 | 47 | 8 | 21.6 | 2 | 12.5 | 12 | 32.4 | 11 | 26.8 | 3 | 8.1 | 4 | 11.1 |
| | | 20-24 | 185 | 25 | 15.2 | 21 | 17.2 | 65 | 39.2 | 32 | 18.4 | 12 | 7.3 | 15 | 9.1 |
| | | 25-29 | 157 | 31 | 20.5 | 21 | 18.3 | 56 | 37.3 | 27 | 17.9 | 10 | 6.8 | 18 | 12.2 |
| | | 30-34 | 73 | 14 | 19.7 | 14 | 24.6 | 28 | 39.4 | 20 | 28.2 | 11 | 15.5 | 10 | 14.1 |
| | | 35+ | 23 | 7 | 30.4 | 3 | 15.8 | 11 | 50.0 | 5 | 21.7 | 3 | 13.0 | 2 | 8.7 |
| | Years since diagnosis | 5-9 | 76 | 5 | 16.7 | 1 | 14.3 | 11 | 36.7 | 21 | 37.5 | 3 | 9.7 | 2 | 6.7 |
| | | 10-14 | 208 | 28 | 15.2 | 12 | 13.3 | 54 | 29.0 | 46 | 23.7 | 10 | 5.4 | 16 | 8.6 |
| | | 15-19 | 217 | 31 | 14.8 | 32 | 21.9 | 79 | 37.8 | 34 | 16.3 | 17 | 8.3 | 25 | 12.2 |
| | | 20+ | 131 | 32 | 24.6 | 16 | 18.6 | 67 | 51.9 | 30 | 23.1 | 19 | 14.7 | 15 | 11.6 |
| | Age at diagnosis | <1 | 16 | 2 | 12.5 | . | . | 8 | 50.0 | 4 | 25.0 | 2 | 12.5 | 3 | 18.8 |
| | | 1-4 | 180 | 26 | 15.9 | 10 | 18.9 | 73 | 44.5 | 39 | 22.8 | 14 | 8.7 | 17 | 10.6 |
| | | 5-9 | 267 | 41 | 17.7 | 26 | 17.8 | 90 | 38.8 | 54 | 22.0 | 21 | 9.1 | 21 | 9.1 |
| | | 10-14 | 132 | 20 | 17.7 | 20 | 19.8 | 30 | 26.5 | 24 | 19.7 | 9 | 7.9 | 13 | 11.5 |
| | | 15-20 | 37 | 7 | 24.1 | 5 | 18.5 | 10 | 34.5 | 10 | 29.4 | 3 | 10.3 | 4 | 13.8 |
| | Treatment | Surgery only | 5 | 2 | 40.0 | 1 | 33.3 | 2 | 40.0 | 2 | 40.0 | 1 | 20.0 | 1 | 20.0 |
| | | Chemotherapy, no radiation | 27 | 2 | 7.4 | 3 | 21.4 | 8 | 29.6 | 7 | 25.9 | 2 | 7.4 | 5 | 18.5 |

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n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|----------------|------------------------------|----------------------------|------------|-----------------------------|-------------|----------------------------|-------------|------------------------------------|-------------|----------------------------------|-------------|-------------------|------------|----------------------|-------------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Radiation, no chemotherapy | 115 | 22 | 20.8 | 18 | 26.5 | 33 | 32.0 | 23 | 20.7 | 11 | 10.5 | 7 | 6.7 |
| | | Chemotherapy and radiation | 437 | 66 | 17.5 | 39 | 17.9 | 159 | 41.8 | 95 | 23.7 | 35 | 9.3 | 43 | 11.5 |
| | | Unknown | 48 | 4 | 10.3 | . | . | 9 | 23.1 | 4 | 9.1 | . | . | 2 | 5.3 |
| Females | All cases | | 408 | 63 | 17.5 | 38 | 16.0 | 154 | 42.8 | 97 | 26.3 | 34 | 9.5 | 53 | 14.9 |
| | Age at baseline | <18 | 99 | 13 | 18.8 | . | . | 30 | 43.5 | 27 | 32.9 | 8 | 11.6 | 15 | 21.7 |
| | | 18-19 | 36 | 3 | 8.8 | 1 | 4.5 | 12 | 35.3 | 6 | 17.1 | 1 | 3.0 | 6 | 18.2 |
| | | 20-24 | 106 | 12 | 12.4 | 5 | 6.6 | 41 | 41.8 | 22 | 22.7 | 4 | 4.2 | 6 | 6.5 |
| | | 25-29 | 95 | 16 | 17.4 | 20 | 25.0 | 38 | 41.8 | 22 | 24.7 | 10 | 10.9 | 16 | 17.4 |
| | | 30-34 | 58 | 15 | 26.8 | 10 | 20.4 | 27 | 49.1 | 15 | 28.3 | 8 | 14.5 | 8 | 14.3 |
| | | 35+ | 14 | 4 | 30.8 | 2 | 18.2 | 6 | 46.2 | 5 | 38.5 | 3 | 23.1 | 2 | 15.4 |
| | Years since diagnosis | 5-9 | 48 | 3 | 15.8 | . | . | 9 | 47.4 | 14 | 42.4 | 2 | 10.5 | 4 | 21.1 |
| | | 10-14 | 147 | 20 | 14.7 | 7 | 9.2 | 45 | 32.8 | 33 | 23.9 | 10 | 7.3 | 20 | 14.8 |
| | | 15-19 | 127 | 17 | 14.2 | 16 | 17.4 | 54 | 45.4 | 26 | 22.4 | 12 | 10.2 | 19 | 16.2 |
| | | 20+ | 86 | 23 | 26.7 | 15 | 22.7 | 46 | 54.1 | 24 | 29.3 | 10 | 11.9 | 10 | 11.8 |
| | Age at diagnosis | <1 | 12 | . | . | . | . | 4 | 36.4 | 1 | 9.1 | . | . | . | . |
| | | 1-4 | 118 | 17 | 16.0 | 7 | 17.5 | 50 | 47.2 | 34 | 31.2 | 8 | 7.7 | 17 | 16.5 |
| | | 5-9 | 155 | 25 | 18.4 | 14 | 14.9 | 61 | 44.9 | 29 | 21.0 | 13 | 9.6 | 18 | 13.3 |
| | | 10-14 | 98 | 18 | 20.5 | 13 | 15.7 | 36 | 41.4 | 25 | 28.4 | 8 | 9.1 | 14 | 15.9 |
| | | 15-20 | 25 | 3 | 15.0 | 4 | 21.1 | 3 | 15.0 | 8 | 34.8 | 5 | 25.0 | 4 | 20.0 |
| | Treatment | Surgery only | 3 | . | . | . | . | 2 | 66.7 | 1 | 33.3 | . | . | . | . |
| | | Chemotherapy, no radiation | 26 | 2 | 8.3 | 2 | 15.4 | 3 | 12.5 | 3 | 12.5 | 1 | 4.2 | 4 | 16.7 |
| | | Radiation, no chemotherapy | 93 | 10 | 11.5 | 11 | 17.2 | 32 | 37.2 | 15 | 16.7 | 7 | 8.2 | 8 | 9.5 |
| | | Chemotherapy and radiation | 255 | 46 | 21.1 | 23 | 16.3 | 105 | 48.2 | 71 | 32.1 | 21 | 9.6 | 39 | 17.9 |
| | | Unknown | 31 | 5 | 17.2 | 2 | 11.1 | 12 | 41.4 | 7 | 22.6 | 5 | 17.9 | 2 | 7.4 |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 3107 | 409 | 14.4 | 473 | 17.3 | 206 | 7.5 | 366 | 12.4 | 195 | 7.1 | 482 | 17.6 |
| | Age at baseline | <18 | 61 | 5 | 10.4 | . | . | 1 | 2.1 | 5 | 8.5 | 4 | 8.7 | 7 | 14.9 |
| | | 18-19 | 62 | 6 | 11.1 | 8 | 20.5 | 3 | 5.7 | 6 | 10.2 | 4 | 7.5 | 6 | 12.0 |
| | | 20-24 | 376 | 31 | 9.9 | 39 | 13.0 | 14 | 4.8 | 34 | 10.0 | 15 | 5.1 | 42 | 14.3 |
| | | 25-29 | 798 | 96 | 13.5 | 127 | 18.3 | 39 | 5.7 | 88 | 11.7 | 29 | 4.3 | 109 | 16.1 |
| | | 30-34 | 949 | 132 | 14.8 | 162 | 18.5 | 75 | 8.7 | 115 | 12.7 | 72 | 8.4 | 168 | 19.4 |
| | | 35+ | 861 | 139 | 16.8 | 137 | 16.7 | 74 | 9.0 | 118 | 14.1 | 71 | 8.7 | 150 | 18.4 |
| | Years since diagnosis | 5-9 | 242 | 15 | 11.2 | 22 | 20.0 | 5 | 4.1 | 32 | 15.5 | 8 | 6.7 | 21 | 17.5 |
| | | 10-14 | 947 | 106 | 12.1 | 138 | 16.7 | 47 | 5.6 | 89 | 10.0 | 50 | 6.0 | 124 | 14.8 |
| | | 15-19 | 1010 | 137 | 14.2 | 146 | 15.6 | 77 | 8.3 | 123 | 12.7 | 66 | 7.2 | 172 | 18.6 |
| | | 20+ | 908 | 151 | 17.3 | 167 | 19.4 | 77 | 8.9 | 122 | 13.8 | 71 | 8.2 | 165 | 19.1 |
| | Age at diagnosis | 1-4 | 84 | 12 | 14.6 | 11 | 19.0 | 7 | 8.9 | 8 | 9.9 | 7 | 8.8 | 10 | 13.2 |
| | | 5-9 | 421 | 49 | 12.3 | 57 | 16.7 | 27 | 6.9 | 35 | 8.6 | 24 | 6.3 | 63 | 16.4 |
| | | 10-14 | 1118 | 145 | 14.0 | 193 | 19.0 | 68 | 6.7 | 127 | 12.0 | 60 | 6.0 | 179 | 17.8 |
| | | 15-20 | 1484 | 203 | 15.3 | 212 | 16.1 | 104 | 8.1 | 196 | 14.0 | 104 | 8.1 | 230 | 18.0 |
| | Treatment | Surgery only | 2 | . | . | 1 | 50.0 | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 363 | 47 | 13.5 | 52 | 15.8 | 22 | 6.6 | 37 | 10.7 | 19 | 5.7 | 58 | 17.2 |
| | | Radiation, no chemotherapy | 651 | 78 | 12.7 | 95 | 15.7 | 36 | 6.3 | 69 | 11.5 | 36 | 6.3 | 87 | 15.3 |
| | | Chemotherapy and radiation | 1759 | 237 | 14.9 | 282 | 18.6 | 123 | 7.8 | 219 | 13.0 | 112 | 7.2 | 287 | 18.5 |
| | | Unknown | 332 | 47 | 16.3 | 43 | 15.6 | 25 | 8.7 | 41 | 12.9 | 28 | 10.0 | 50 | 17.7 |
| Males | All cases | | 1631 | 199 | 13.6 | 232 | 16.9 | 90 | 6.3 | 142 | 9.2 | 97 | 6.9 | 198 | 14.0 |
| | Age at baseline | <18 | 46 | 3 | 8.6 | . | . | . | . | 3 | 6.7 | 3 | 8.8 | 4 | 11.4 |
| | | 18-19 | 49 | 5 | 11.4 | 7 | 21.2 | 2 | 4.7 | 4 | 8.7 | 4 | 9.3 | 5 | 12.5 |
| | | 20-24 | 239 | 19 | 9.6 | 32 | 17.1 | 11 | 5.8 | 18 | 8.4 | 11 | 5.9 | 30 | 16.0 |
| | | 25-29 | 445 | 49 | 12.5 | 63 | 16.7 | 19 | 5.1 | 38 | 9.1 | 15 | 4.0 | 45 | 12.1 |
| | | 30-34 | 480 | 63 | 14.2 | 75 | 17.4 | 35 | 8.1 | 47 | 10.2 | 34 | 7.9 | 69 | 16.0 |
| | | 35+ | 372 | 60 | 17.1 | 55 | 16.0 | 23 | 6.6 | 32 | 9.0 | 30 | 8.6 | 45 | 13.0 |
| | Years since diagnosis | 5-9 | 138 | 8 | 11.4 | 11 | 20.4 | 4 | 6.3 | 12 | 10.4 | 6 | 9.5 | 12 | 19.4 |
| | | 10-14 | 492 | 50 | 11.2 | 74 | 18.3 | 19 | 4.4 | 38 | 8.2 | 27 | 6.4 | 48 | 11.3 |
| | | 15-19 | 539 | 63 | 12.4 | 65 | 13.5 | 30 | 6.1 | 43 | 8.3 | 32 | 6.7 | 72 | 14.8 |
| | | 20+ | 462 | 78 | 17.7 | 82 | 19.1 | 37 | 8.4 | 49 | 10.9 | 32 | 7.2 | 66 | 15.0 |
| | Age at diagnosis | 1-4 | 63 | 10 | 16.4 | 9 | 23.1 | 6 | 10.2 | 6 | 9.8 | 5 | 8.3 | 9 | 15.8 |
| | | 5-9 | 305 | 36 | 12.6 | 42 | 17.3 | 20 | 7.2 | 24 | 8.1 | 19 | 7.0 | 42 | 15.3 |
| | | 10-14 | 579 | 65 | 12.1 | 93 | 18.1 | 25 | 4.8 | 44 | 8.0 | 31 | 6.0 | 76 | 14.6 |
| | | 15-20 | 684 | 88 | 15.1 | 88 | 15.3 | 39 | 6.9 | 68 | 10.7 | 42 | 7.5 | 71 | 12.7 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 186 | 26 | 14.9 | 28 | 17.4 | 12 | 7.2 | 13 | 7.5 | 6 | 3.6 | 26 | 15.6 |
| | | Radiation, no chemotherapy | 336 | 40 | 12.7 | 49 | 15.9 | 20 | 6.7 | 31 | 9.8 | 24 | 8.0 | 39 | 13.2 |
| | | Chemotherapy and radiation | 911 | 107 | 13.3 | 129 | 17.3 | 44 | 5.6 | 76 | 8.8 | 51 | 6.5 | 107 | 13.7 |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Unknown | 197 | 26 | 15.4 | 26 | 16.6 | 14 | 8.3 | 22 | 12.0 | 16 | 9.9 | 26 | 15.8 |
| Females | All cases | | 1476 | 210 | 15.2 | 241 | 17.7 | 116 | 8.6 | 224 | 15.9 | 98 | 7.4 | 284 | 21.3 |
| | Age at baseline | <18 | 15 | 2 | 15.4 | . | . | 1 | 7.7 | 2 | 14.3 | 1 | 8.3 | 3 | 25.0 |
| | | 18-19 | 13 | 1 | 10.0 | 1 | 16.7 | 1 | 10.0 | 2 | 15.4 | . | . | 1 | 10.0 |
| | | 20-24 | 137 | 12 | 10.5 | 7 | 6.1 | 3 | 2.9 | 16 | 12.9 | 4 | 3.7 | 12 | 11.2 |
| | | 25-29 | 353 | 47 | 14.7 | 64 | 20.1 | 20 | 6.5 | 50 | 14.8 | 14 | 4.6 | 64 | 21.1 |
| | | 30-34 | 469 | 69 | 15.4 | 87 | 19.5 | 40 | 9.2 | 68 | 15.3 | 38 | 8.8 | 99 | 22.8 |
| | | 35+ | 489 | 79 | 16.6 | 82 | 17.3 | 51 | 10.9 | 86 | 18.0 | 41 | 8.8 | 105 | 22.4 |
| | Years since diagnosis | 5-9 | 104 | 7 | 10.9 | 11 | 19.6 | 1 | 1.7 | 20 | 21.7 | 2 | 3.5 | 9 | 15.5 |
| | | 10-14 | 455 | 56 | 13.1 | 64 | 15.3 | 28 | 6.7 | 51 | 11.8 | 23 | 5.6 | 76 | 18.4 |
| | | 15-19 | 471 | 74 | 16.3 | 81 | 17.9 | 47 | 10.7 | 80 | 17.8 | 34 | 7.8 | 100 | 22.7 |
| | | 20+ | 446 | 73 | 16.9 | 85 | 19.7 | 40 | 9.3 | 73 | 16.8 | 39 | 9.2 | 99 | 23.3 |
| | Age at diagnosis | 1-4 | 21 | 2 | 9.5 | 2 | 10.5 | 1 | 5.0 | 2 | 10.0 | 2 | 10.0 | 1 | 5.3 |
| | | 5-9 | 116 | 13 | 11.6 | 15 | 15.3 | 7 | 6.3 | 11 | 9.7 | 5 | 4.6 | 21 | 19.3 |
| | | 10-14 | 539 | 80 | 16.0 | 100 | 20.0 | 43 | 8.8 | 83 | 16.2 | 29 | 6.0 | 103 | 21.3 |
| | | 15-20 | 800 | 115 | 15.4 | 124 | 16.7 | 65 | 9.0 | 128 | 16.8 | 62 | 8.6 | 159 | 22.0 |
| | Treatment | Surgery only | 1 | . | . | 1 | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 177 | 21 | 12.2 | 24 | 14.2 | 10 | 6.0 | 24 | 14.0 | 13 | 7.7 | 32 | 18.8 |
| | | Radiation, no chemotherapy | 315 | 38 | 12.7 | 46 | 15.5 | 16 | 5.9 | 38 | 13.4 | 12 | 4.4 | 48 | 17.6 |
| | | Chemotherapy and radiation | 848 | 130 | 16.5 | 153 | 19.7 | 79 | 10.1 | 143 | 17.5 | 61 | 7.9 | 180 | 23.3 |
| | | Unknown | 135 | 21 | 17.6 | 17 | 14.4 | 11 | 9.3 | 19 | 14.3 | 12 | 10.1 | 24 | 20.3 |

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Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

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n=7 participants with no baseline information are not included

| | | | General Health ¹ | | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------------------------|-----|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 2114 | 217 | 10.8 | 296 | 17.2 | 185 | 9.3 | 198 | 9.7 | 160 | 8.1 | 259 | 13.1 |
| | Age at baseline | <18 | 212 | 4 | 2.1 | . | . | 16 | 8.6 | 15 | 7.3 | 6 | 3.2 | 19 | 10.1 |
| | | 18-19 | 132 | 5 | 4.2 | 14 | 15.7 | 5 | 4.2 | 15 | 12.1 | 4 | 3.6 | 10 | 9.0 |
| | | 20-24 | 469 | 29 | 6.6 | 72 | 17.4 | 37 | 8.5 | 41 | 9.1 | 32 | 7.3 | 50 | 11.4 |
| | | 25-29 | 569 | 77 | 14.1 | 98 | 19.0 | 51 | 9.4 | 53 | 9.7 | 49 | 9.2 | 84 | 15.8 |
| | | 30-34 | 483 | 66 | 13.9 | 75 | 16.2 | 54 | 11.5 | 44 | 9.4 | 40 | 8.5 | 62 | 13.3 |
| | | 35+ | 249 | 36 | 14.7 | 37 | 15.4 | 22 | 9.1 | 30 | 12.3 | 29 | 12.0 | 34 | 14.1 |
| | Years since diagnosis | 5-9 | 144 | 2 | 2.0 | 7 | 17.5 | 6 | 6.5 | 14 | 11.1 | 3 | 3.2 | 12 | 12.6 |
| | | 10-14 | 672 | 48 | 7.4 | 93 | 19.1 | 46 | 7.2 | 56 | 8.6 | 41 | 6.5 | 85 | 13.5 |
| | | 15-19 | 730 | 83 | 11.6 | 105 | 15.9 | 79 | 11.1 | 72 | 10.2 | 56 | 8.0 | 86 | 12.2 |
| | | 20+ | 568 | 84 | 15.0 | 91 | 16.9 | 54 | 9.8 | 56 | 10.1 | 60 | 10.8 | 76 | 13.8 |
| | Age at diagnosis | <1 | 15 | . | . | . | . | 1 | 7.1 | 1 | 6.7 | 1 | 7.7 | 1 | 7.1 |
| | | 1-4 | 344 | 20 | 6.0 | 35 | 18.0 | 29 | 8.7 | 28 | 8.3 | 21 | 6.4 | 26 | 7.8 |
| | | 5-9 | 647 | 62 | 10.0 | 92 | 18.0 | 47 | 7.7 | 54 | 8.6 | 39 | 6.4 | 79 | 13.0 |
| | | 10-14 | 674 | 80 | 12.5 | 107 | 17.3 | 64 | 10.1 | 70 | 10.9 | 64 | 10.2 | 95 | 15.2 |
| | | 15-20 | 434 | 55 | 13.4 | 62 | 15.5 | 44 | 11.0 | 45 | 10.9 | 35 | 8.8 | 58 | 14.5 |
| | Treatment | Surgery only | 16 | 1 | 7.1 | 2 | 20.0 | 3 | 21.4 | 2 | 13.3 | 2 | 14.3 | . | . |
| | | Chemotherapy, no radiation | 1075 | 108 | 10.4 | 152 | 17.4 | 89 | 8.6 | 87 | 8.4 | 82 | 7.9 | 143 | 13.8 |
| | | Radiation, no chemotherapy | 38 | 2 | 6.1 | 2 | 6.1 | . | . | 1 | 2.8 | 1 | 3.1 | . | . |
| | | Chemotherapy and radiation | 766 | 85 | 11.9 | 105 | 16.9 | 74 | 10.5 | 84 | 11.4 | 54 | 7.8 | 87 | 12.6 |
| | | Unknown | 219 | 21 | 9.9 | 35 | 18.8 | 19 | 9.0 | 24 | 11.1 | 21 | 10.0 | 29 | 14.1 |
| Males | All cases | | 1436 | 133 | 9.7 | 198 | 17.1 | 113 | 8.4 | 110 | 7.9 | 96 | 7.2 | 151 | 11.3 |
| | Age at baseline | <18 | 146 | 3 | 2.3 | . | . | 10 | 7.8 | 7 | 5.0 | 4 | 3.1 | 11 | 8.6 |
| | | 18-19 | 97 | 3 | 3.3 | 8 | 11.8 | 2 | 2.3 | 9 | 10.0 | 2 | 2.4 | 7 | 8.6 |
| | | 20-24 | 304 | 14 | 4.9 | 47 | 17.9 | 21 | 7.4 | 18 | 6.1 | 19 | 6.7 | 26 | 9.2 |
| | | 25-29 | 405 | 50 | 12.9 | 69 | 19.0 | 35 | 9.1 | 32 | 8.2 | 30 | 7.9 | 51 | 13.5 |
| | | 30-34 | 319 | 45 | 14.5 | 53 | 17.5 | 36 | 11.8 | 29 | 9.4 | 26 | 8.5 | 37 | 12.2 |
| | | 35+ | 165 | 18 | 11.0 | 21 | 13.0 | 9 | 5.6 | 15 | 9.3 | 15 | 9.3 | 19 | 11.8 |
| | Years since diagnosis | 5-9 | 109 | 2 | 2.5 | 6 | 18.8 | 4 | 5.3 | 9 | 9.1 | 2 | 2.6 | 11 | 14.3 |
| | | 10-14 | 457 | 29 | 6.7 | 59 | 18.2 | 26 | 6.0 | 26 | 5.9 | 21 | 5.0 | 47 | 11.2 |
| | | 15-19 | 480 | 52 | 11.1 | 70 | 16.2 | 50 | 10.7 | 40 | 8.6 | 36 | 7.9 | 47 | 10.3 |
| | | 20+ | 390 | 50 | 13.1 | 63 | 17.1 | 33 | 8.7 | 35 | 9.2 | 37 | 9.7 | 46 | 12.1 |
| | Age at diagnosis | <1 | 5 | . | . | . | . | . | . | . | . | 1 | 25.0 | . | . |
| | | 1-4 | 232 | 9 | 4.0 | 20 | 15.7 | 16 | 7.1 | 15 | 6.6 | 13 | 5.9 | 16 | 7.2 |
| | | 5-9 | 451 | 39 | 9.0 | 65 | 18.6 | 32 | 7.5 | 33 | 7.6 | 23 | 5.4 | 44 | 10.4 |
| | | 10-14 | 463 | 52 | 11.8 | 75 | 17.9 | 41 | 9.4 | 37 | 8.4 | 42 | 9.7 | 54 | 12.6 |
| | | 15-20 | 285 | 33 | 12.4 | 38 | 14.6 | 24 | 9.2 | 25 | 9.1 | 17 | 6.6 | 37 | 14.2 |
| | Treatment | Surgery only | 13 | . | . | 1 | 11.1 | 2 | 18.2 | 2 | 16.7 | 2 | 18.2 | . | . |
| | | Chemotherapy, no radiation | 727 | 68 | 9.7 | 104 | 18.0 | 55 | 7.9 | 49 | 7.0 | 47 | 6.8 | 81 | 11.6 |

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n=7 participants with no baseline information are not included

| | | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|-----|-----------|-----------------------------|----|----------------------------|----|------------------------------------|----|----------------------------------|----|-------------------|-----|----------------------|---|
| | | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Radiation, no chemotherapy | 28 | 1 | 4.2 | 1 | 4.2 | . | . | 1 | 3.7 | 1 | 4.2 | . | . | |
| | | Chemotherapy and radiation | 511 | 52 | 10.9 | 68 | 16.5 | 43 | 9.2 | 45 | 9.1 | 32 | 7.0 | 54 | 11.9 | |
| | | Unknown | 157 | 12 | 7.8 | 24 | 17.8 | 13 | 8.6 | 13 | 8.4 | 14 | 9.2 | 16 | 10.8 | |
| Females | All cases | | 678 | 84 | 12.9 | 98 | 17.3 | 72 | 11.3 | 88 | 13.5 | 64 | 10.0 | 108 | 16.8 | |
| | Age at baseline | <18 | 66 | 1 | 1.7 | . | . | 6 | 10.2 | 8 | 12.5 | 2 | 3.4 | 8 | 13.1 | |
| | | 18-19 | 35 | 2 | 6.7 | 6 | 28.6 | 3 | 10.0 | 6 | 17.6 | 2 | 6.7 | 3 | 10.0 | |
| | | 20-24 | 165 | 15 | 9.6 | 25 | 16.6 | 16 | 10.5 | 23 | 14.6 | 13 | 8.4 | 24 | 15.6 | |
| | | 25-29 | 164 | 27 | 17.1 | 29 | 19.0 | 16 | 10.3 | 21 | 13.5 | 19 | 12.3 | 33 | 21.4 | |
| | | 30-34 | 164 | 21 | 12.8 | 22 | 13.6 | 18 | 11.0 | 15 | 9.4 | 14 | 8.6 | 25 | 15.2 | |
| | | 35+ | 84 | 18 | 22.0 | 16 | 20.0 | 13 | 16.3 | 15 | 18.3 | 14 | 17.3 | 15 | 18.8 | |
| | Years since diagnosis | 5-9 | 35 | . | . | 1 | 12.5 | 2 | 11.8 | 5 | 18.5 | 1 | 5.6 | 1 | 5.6 | |
| | | 10-14 | 215 | 19 | 9.1 | 34 | 21.0 | 20 | 9.7 | 30 | 14.4 | 20 | 9.7 | 38 | 18.2 | |
| | | 15-19 | 250 | 31 | 12.7 | 35 | 15.4 | 29 | 12.0 | 32 | 13.1 | 20 | 8.2 | 39 | 15.9 | |
| | | 20+ | 178 | 34 | 19.2 | 28 | 16.6 | 21 | 12.1 | 21 | 12.1 | 23 | 13.3 | 30 | 17.5 | |
| | Age at diagnosis | <1 | 10 | . | . | . | . | 1 | 10.0 | 1 | 10.0 | . | . | 1 | 10.0 | |
| | | 1-4 | 112 | 11 | 10.1 | 15 | 22.4 | 13 | 11.8 | 13 | 11.8 | 8 | 7.3 | 10 | 9.1 | |
| | | 5-9 | 196 | 23 | 12.2 | 27 | 16.6 | 15 | 8.2 | 21 | 10.9 | 16 | 8.6 | 35 | 18.9 | |
| | | 10-14 | 211 | 28 | 14.1 | 32 | 16.2 | 23 | 11.7 | 33 | 16.3 | 22 | 11.2 | 41 | 20.7 | |
| | | 15-20 | 149 | 22 | 15.4 | 24 | 17.1 | 20 | 14.3 | 20 | 14.4 | 18 | 12.8 | 21 | 15.0 | |
| | Treatment | Surgery only | 3 | 1 | 33.3 | 1 | . | 1 | 33.3 | . | . | . | . | . | . | |
| | | Chemotherapy, no radiation | 348 | 40 | 11.8 | 48 | 16.2 | 34 | 10.1 | 38 | 11.3 | 35 | 10.3 | 62 | 18.3 | |
| | | Radiation, no chemotherapy | 10 | 1 | 11.1 | 1 | 11.1 | . | . | . | . | . | . | . | . | |
| | | Chemotherapy and radiation | 255 | 33 | 13.9 | 37 | 17.6 | 31 | 13.2 | 39 | 16.1 | 22 | 9.4 | 33 | 14.0 | |
| | | Unknown | 62 | 9 | 15.3 | 11 | 21.6 | 6 | 10.3 | 11 | 17.7 | 7 | 12.3 | 13 | 22.4 | |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 2274 | 147 | 6.7 | 177 | 13.9 | 127 | 5.8 | 160 | 7.2 | 121 | 5.6 | 218 | 10.1 |
| | Age at baseline | <18 | 833 | 25 | 3.2 | . | . | 39 | 4.9 | 42 | 5.2 | 28 | 3.5 | 72 | 9.2 |
| | | 18-19 | 306 | 22 | 7.4 | 33 | 15.6 | 17 | 5.7 | 24 | 8.1 | 19 | 6.4 | 31 | 10.5 |
| | | 20-24 | 669 | 52 | 8.1 | 86 | 13.8 | 40 | 6.2 | 48 | 7.3 | 39 | 6.1 | 65 | 10.1 |
| | | 25-29 | 374 | 40 | 11.1 | 47 | 13.4 | 28 | 7.7 | 41 | 11.2 | 28 | 7.8 | 43 | 12.3 |
| | | 30-34 | 74 | 5 | 6.8 | 9 | 12.2 | 2 | 2.7 | 5 | 6.8 | 6 | 8.3 | 6 | 8.2 |
| | | 35+ | 18 | 3 | 16.7 | 2 | 11.8 | 1 | 6.3 | . | . | 1 | 5.9 | 1 | 6.3 |
| | Years since diagnosis | 5-9 | 176 | 2 | 1.4 | 2 | 40.0 | 5 | 3.5 | 14 | 8.8 | 1 | 0.7 | 14 | 9.9 |
| | | 10-14 | 740 | 28 | 3.9 | 15 | 12.5 | 42 | 5.8 | 44 | 6.1 | 33 | 4.6 | 74 | 10.4 |
| | | 15-19 | 760 | 57 | 7.8 | 85 | 14.6 | 37 | 5.0 | 40 | 5.4 | 40 | 5.4 | 61 | 8.3 |
| | | 20+ | 598 | 60 | 10.2 | 75 | 13.2 | 43 | 7.4 | 62 | 10.5 | 47 | 8.1 | 69 | 12.1 |
| | Age at diagnosis | <1 | 330 | 21 | 6.6 | 25 | 19.1 | 17 | 5.4 | 18 | 5.6 | 13 | 4.1 | 26 | 8.3 |
| | | 1-4 | 1395 | 89 | 6.6 | 94 | 12.9 | 76 | 5.6 | 103 | 7.6 | 81 | 6.0 | 130 | 9.7 |
| | | 5-9 | 468 | 31 | 7.0 | 46 | 13.5 | 29 | 6.6 | 30 | 6.7 | 21 | 4.8 | 52 | 12.0 |
| | | 10-14 | 58 | 5 | 9.3 | 7 | 13.0 | 3 | 5.6 | 8 | 14.0 | 5 | 9.3 | 7 | 13.0 |
| | | 15-20 | 23 | 1 | 5.3 | 5 | 27.8 | 2 | 11.1 | 1 | 5.3 | 1 | 5.6 | 3 | 16.7 |
| | Treatment | Surgery only | 34 | 3 | 8.8 | 3 | 25.0 | 1 | 3.0 | 1 | 3.1 | . | . | 2 | 6.3 |
| | | Chemotherapy, no radiation | 869 | 40 | 4.7 | 58 | 13.0 | 39 | 4.6 | 40 | 4.7 | 29 | 3.4 | 80 | 9.5 |
| | | Radiation, no chemotherapy | 4 | 1 | 25.0 | 2 | 50.0 | . | . | 1 | 25.0 | . | . | 1 | 25.0 |
| | | Chemotherapy and radiation | 1153 | 77 | 7.1 | 99 | 14.4 | 71 | 6.5 | 101 | 9.0 | 65 | 6.0 | 110 | 10.2 |
| | | Unknown | 214 | 26 | 12.6 | 15 | 12.3 | 16 | 7.8 | 17 | 8.2 | 27 | 13.4 | 25 | 12.4 |
| Males | All cases | | 1020 | 59 | 6.0 | 65 | 12.5 | 56 | 5.7 | 50 | 5.1 | 49 | 5.1 | 79 | 8.2 |
| | Age at baseline | <18 | 404 | 15 | 3.9 | . | . | 15 | 3.9 | 15 | 3.8 | 9 | 2.4 | 32 | 8.4 |
| | | 18-19 | 127 | 7 | 5.6 | 12 | 16.0 | 8 | 6.4 | 7 | 5.7 | 6 | 4.9 | 11 | 9.0 |
| | | 20-24 | 285 | 23 | 8.3 | 33 | 12.9 | 22 | 8.0 | 17 | 6.1 | 19 | 7.0 | 27 | 9.9 |
| | | 25-29 | 166 | 12 | 7.5 | 16 | 10.5 | 10 | 6.3 | 9 | 5.6 | 12 | 7.7 | 9 | 5.9 |
| | | 30-34 | 30 | 2 | 6.7 | 4 | 13.3 | 1 | 3.3 | 2 | 6.7 | 3 | 10.3 | . | . |
| | | 35+ | 8 | . | . | . | . | . | . | . | . | . | . | . | . |
| | Years since diagnosis | 5-9 | 79 | 1 | 1.6 | 1 | . | 2 | 3.3 | 4 | 5.8 | . | . | 8 | 13.1 |
| | | 10-14 | 334 | 14 | 4.3 | 5 | 14.7 | 15 | 4.6 | 19 | 5.8 | 10 | 3.1 | 27 | 8.4 |
| | | 15-19 | 336 | 24 | 7.3 | 33 | 14.1 | 19 | 5.8 | 9 | 2.7 | 17 | 5.2 | 22 | 6.7 |
| | | 20+ | 271 | 20 | 7.5 | 26 | 10.3 | 20 | 7.6 | 18 | 6.8 | 22 | 8.6 | 22 | 8.6 |
| | Age at diagnosis | <1 | 168 | 8 | 4.9 | 9 | 15.8 | 8 | 4.9 | 5 | 3.0 | 6 | 3.7 | 14 | 8.6 |
| | | 1-4 | 629 | 36 | 5.8 | 34 | 11.2 | 31 | 5.1 | 29 | 4.7 | 30 | 5.0 | 42 | 6.9 |
| | | 5-9 | 193 | 15 | 8.4 | 17 | 12.4 | 17 | 9.6 | 14 | 7.6 | 11 | 6.3 | 22 | 12.7 |
| | | 10-14 | 21 | . | . | 2 | 11.1 | . | . | 2 | 9.5 | 2 | 11.1 | . | . |
| | | 15-20 | 9 | . | . | 3 | 42.9 | . | . | . | . | . | . | 1 | 14.3 |
| | Treatment | Surgery only | 18 | 2 | 11.1 | 2 | 33.3 | 1 | 5.6 | 1 | 5.9 | . | . | 1 | 5.9 |
| | | Chemotherapy, no radiation | 395 | 16 | 4.1 | 18 | 9.8 | 15 | 3.9 | 9 | 2.3 | 9 | 2.3 | 36 | 9.5 |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|----------------|------------------------------|----------------------------|-------------|-----------------------------|------------|----------------------------|-------------|------------------------------------|------------|----------------------------------|------------|-------------------|------------|----------------------|-------------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Chemotherapy and radiation | 499 | 30 | 6.3 | 34 | 12.5 | 33 | 6.9 | 30 | 6.2 | 27 | 5.8 | 32 | 6.8 |
| | | Unknown | 108 | 11 | 10.7 | 11 | 18.6 | 7 | 6.9 | 10 | 9.5 | 13 | 13.0 | 10 | 10.0 |
| Females | All cases | | 1254 | 88 | 7.3 | 112 | 14.9 | 71 | 5.9 | 110 | 9.0 | 72 | 6.0 | 139 | 11.6 |
| | Age at baseline | <18 | 429 | 10 | 2.4 | . | . | 24 | 5.9 | 27 | 6.5 | 19 | 4.7 | 40 | 9.9 |
| | | 18-19 | 179 | 15 | 8.7 | 21 | 15.4 | 9 | 5.1 | 17 | 9.9 | 13 | 7.5 | 20 | 11.6 |
| | | 20-24 | 384 | 29 | 8.0 | 53 | 14.5 | 18 | 4.9 | 31 | 8.2 | 20 | 5.4 | 38 | 10.3 |
| | | 25-29 | 208 | 28 | 13.9 | 31 | 15.7 | 18 | 8.9 | 32 | 15.6 | 16 | 7.9 | 34 | 17.3 |
| | | 30-34 | 44 | 3 | 6.8 | 5 | 11.4 | 1 | 2.3 | 3 | 6.8 | 3 | 7.0 | 6 | 13.6 |
| | | 35+ | 10 | 3 | 30.0 | 2 | 22.2 | 1 | 11.1 | . | . | 1 | 11.1 | 1 | 11.1 |
| | Years since diagnosis | 5-9 | 97 | 1 | 1.2 | 1 | 25.0 | 3 | 3.7 | 10 | 11.1 | 1 | 1.2 | 6 | 7.4 |
| | | 10-14 | 406 | 14 | 3.5 | 10 | 11.6 | 27 | 6.8 | 25 | 6.3 | 23 | 5.8 | 47 | 12.0 |
| | | 15-19 | 424 | 33 | 8.2 | 52 | 15.0 | 18 | 4.4 | 31 | 7.5 | 23 | 5.6 | 39 | 9.6 |
| | | 20+ | 327 | 40 | 12.5 | 49 | 15.6 | 23 | 7.2 | 44 | 13.5 | 25 | 7.8 | 47 | 14.9 |
| | Age at diagnosis | <1 | 162 | 13 | 8.4 | 16 | 21.6 | 9 | 5.9 | 13 | 8.2 | 7 | 4.5 | 12 | 7.8 |
| | | 1-4 | 766 | 53 | 7.2 | 60 | 14.1 | 45 | 6.1 | 74 | 9.9 | 51 | 6.9 | 88 | 12.0 |
| | | 5-9 | 275 | 16 | 6.1 | 29 | 14.1 | 12 | 4.5 | 16 | 6.0 | 10 | 3.8 | 30 | 11.5 |
| | | 10-14 | 37 | 5 | 13.9 | 5 | 13.9 | 3 | 8.3 | 6 | 16.7 | 3 | 8.3 | 7 | 19.4 |
| | | 15-20 | 14 | 1 | 8.3 | 2 | 18.2 | 2 | 18.2 | 1 | 8.3 | 1 | 9.1 | 2 | 18.2 |
| | Treatment | Surgery only | 16 | 1 | 6.3 | 1 | 16.7 | . | . | . | . | . | . | 1 | 6.7 |
| | | Chemotherapy, no radiation | 474 | 24 | 5.2 | 40 | 15.2 | 24 | 5.2 | 31 | 6.6 | 20 | 4.3 | 44 | 9.5 |
| | | Radiation, no chemotherapy | 4 | 1 | 25.0 | 2 | 50.0 | . | . | 1 | 25.0 | . | . | 1 | 25.0 |
| | | Chemotherapy and radiation | 654 | 47 | 7.7 | 65 | 15.7 | 38 | 6.1 | 71 | 11.2 | 38 | 6.1 | 78 | 12.8 |
| | | Unknown | 106 | 15 | 14.4 | 4 | 6.3 | 9 | 8.7 | 7 | 6.8 | 14 | 13.7 | 15 | 14.7 |

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n=7 participants with no baseline information are not included

| | | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----|-----------------------------|-----|----------------------------|-----|------------------------------------|-----|----------------------------------|-----|-------------------|-----|----------------------|--|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % | |
| Both sexes | All cases | | 1947 | 148 | 8.1 | 127 | 15.1 | 180 | 9.9 | 196 | 10.6 | 112 | 6.2 | 192 | 10.6 | |
| | Age at baseline | <18 | 956 | 41 | 4.7 | . | . | 78 | 8.9 | 77 | 8.6 | 39 | 4.5 | 81 | 9.3 | |
| | | 18-19 | 237 | 23 | 10.1 | 24 | 15.4 | 23 | 10.1 | 26 | 11.4 | 13 | 5.7 | 19 | 8.4 | |
| | | 20-24 | 540 | 58 | 11.1 | 84 | 17.4 | 58 | 11.4 | 64 | 12.4 | 41 | 8.0 | 69 | 13.6 | |
| | | 25-29 | 170 | 19 | 11.7 | 13 | 8.3 | 18 | 11.2 | 23 | 14.4 | 15 | 9.4 | 17 | 10.5 | |
| | | 30-34 | 36 | 4 | 11.1 | 5 | 13.9 | 1 | 2.9 | 5 | 14.7 | 3 | 8.8 | 5 | 15.2 | |
| | | 35+ | 8 | 3 | 37.5 | 1 | 14.3 | 2 | 25.0 | 1 | 12.5 | 1 | 12.5 | 1 | 12.5 | |
| | Years since diagnosis | 5-9 | 160 | 1 | 1.1 | . | . | 10 | 11.1 | 17 | 15.3 | 3 | 3.4 | 7 | 7.9 | |
| | | 10-14 | 609 | 31 | 5.3 | 9 | 23.7 | 55 | 9.4 | 53 | 9.0 | 28 | 4.8 | 57 | 9.8 | |
| | | 15-19 | 640 | 54 | 8.6 | 45 | 15.1 | 62 | 10.0 | 63 | 10.2 | 43 | 6.9 | 57 | 9.2 | |
| | | 20+ | 538 | 62 | 11.7 | 73 | 14.5 | 53 | 10.2 | 63 | 12.1 | 38 | 7.3 | 71 | 13.7 | |
| | Age at diagnosis | <1 | 989 | 61 | 6.3 | 57 | 15.4 | 80 | 8.3 | 88 | 9.1 | 43 | 4.4 | 99 | 10.2 | |
| | | 1-4 | 760 | 75 | 10.6 | 50 | 14.6 | 84 | 12.0 | 86 | 12.1 | 55 | 7.8 | 79 | 11.4 | |
| | | 5-9 | 149 | 6 | 5.2 | 15 | 16.7 | 9 | 8.0 | 12 | 9.8 | 11 | 9.7 | 10 | 9.0 | |
| | | 10-14 | 30 | 2 | 8.0 | 3 | 13.0 | 4 | 17.4 | 5 | 19.2 | 1 | 4.3 | 2 | 8.3 | |
| | | 15-20 | 19 | 4 | 30.8 | 2 | 15.4 | 3 | 25.0 | 5 | 35.7 | 2 | 16.7 | 2 | 16.7 | |
| | Treatment | Surgery only | 545 | 30 | 5.6 | 30 | 12.7 | 31 | 5.8 | 29 | 5.5 | 18 | 3.4 | 38 | 7.1 | |
| | | Chemotherapy, no radiation | 559 | 31 | 5.7 | 32 | 15.7 | 57 | 10.5 | 52 | 9.6 | 24 | 4.4 | 63 | 11.6 | |
| | | Radiation, no chemotherapy | 138 | 11 | 8.1 | 16 | 23.5 | 17 | 13.5 | 17 | 13.5 | 17 | 13.7 | 16 | 13.1 | |
| | | Chemotherapy and radiation | 531 | 61 | 13.3 | 40 | 15.7 | 63 | 14.0 | 76 | 16.0 | 41 | 9.0 | 61 | 13.5 | |
| | | Unknown | 174 | 15 | 9.4 | 9 | 11.7 | 12 | 7.4 | 22 | 12.9 | 12 | 7.5 | 14 | 8.9 | |
| Males | All cases | | 949 | 72 | 8.1 | 56 | 14.7 | 81 | 9.3 | 84 | 9.4 | 46 | 5.3 | 77 | 8.9 | |
| | Age at baseline | <18 | 478 | 19 | 4.3 | . | . | 30 | 6.9 | 35 | 7.8 | 16 | 3.7 | 39 | 9.0 | |
| | | 18-19 | 104 | 9 | 9.0 | 7 | 12.7 | 12 | 12.0 | 10 | 10.0 | 5 | 5.0 | 8 | 8.3 | |
| | | 20-24 | 272 | 31 | 11.9 | 38 | 16.0 | 27 | 10.8 | 26 | 10.1 | 16 | 6.3 | 24 | 9.6 | |
| | | 25-29 | 78 | 9 | 12.3 | 8 | 11.1 | 10 | 13.9 | 11 | 15.5 | 6 | 8.5 | 6 | 8.3 | |
| | | 30-34 | 14 | 3 | 21.4 | 3 | 21.4 | 1 | 7.7 | 2 | 15.4 | 2 | 15.4 | . | . | |
| | | 35+ | 3 | 1 | 33.3 | . | . | 1 | 33.3 | . | . | 1 | 33.3 | . | . | |
| | Years since diagnosis | 5-9 | 75 | 1 | 2.6 | . | . | 4 | 10.0 | 8 | 16.3 | 1 | 2.6 | 2 | 5.1 | |
| | | 10-14 | 303 | 15 | 5.1 | 4 | 30.8 | 21 | 7.3 | 25 | 8.5 | 13 | 4.5 | 29 | 10.1 | |
| | | 15-19 | 308 | 24 | 8.0 | 13 | 10.5 | 29 | 9.8 | 23 | 7.8 | 17 | 5.8 | 23 | 7.9 | |
| | | 20+ | 263 | 32 | 12.5 | 39 | 16.0 | 27 | 10.8 | 28 | 11.1 | 15 | 6.0 | 23 | 9.2 | |
| | Age at diagnosis | <1 | 514 | 33 | 6.5 | 29 | 15.4 | 38 | 7.6 | 45 | 8.9 | 20 | 4.0 | 45 | 9.1 | |
| | | 1-4 | 342 | 32 | 10.1 | 15 | 10.8 | 35 | 11.3 | 28 | 8.8 | 15 | 4.8 | 28 | 9.1 | |
| | | 5-9 | 74 | 4 | 7.5 | 10 | 25.0 | 5 | 10.0 | 7 | 13.0 | 10 | 19.6 | 4 | 8.0 | |
| | | 10-14 | 13 | 1 | 10.0 | 1 | 11.1 | 1 | 12.5 | 2 | 22.2 | . | . | . | . | |
| | | 15-20 | 6 | 2 | 50.0 | 1 | 25.0 | 2 | 50.0 | 2 | 40.0 | 1 | 25.0 | . | . | |
| | Treatment | Surgery only | 261 | 14 | 5.4 | 15 | 14.0 | 18 | 7.1 | 14 | 5.5 | 6 | 2.3 | 15 | 5.9 | |
| | | Chemotherapy, no radiation | 277 | 15 | 5.6 | 14 | 14.7 | 25 | 9.4 | 21 | 7.9 | 11 | 4.1 | 26 | 9.8 | |

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| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Radiation, no chemotherapy | 62 | 8 | 12.9 | 8 | 25.8 | 7 | 12.7 | 9 | 16.4 | 4 | 7.4 | 7 | 13.2 |
| | | Chemotherapy and radiation | 259 | 26 | 11.9 | 15 | 13.3 | 23 | 10.7 | 27 | 11.9 | 17 | 7.9 | 21 | 9.9 |
| | | Unknown | 90 | 9 | 11.1 | 4 | 11.8 | 8 | 9.5 | 13 | 14.9 | 8 | 9.9 | 8 | 10.0 |
| Females | All cases | | 998 | 76 | 8.0 | 71 | 15.4 | 99 | 10.5 | 112 | 11.8 | 66 | 7.0 | 115 | 12.2 |
| | Age at baseline | <18 | 478 | 22 | 5.0 | . | . | 48 | 11.0 | 42 | 9.4 | 23 | 5.2 | 42 | 9.6 |
| | | 18-19 | 133 | 14 | 10.9 | 17 | 16.8 | 11 | 8.6 | 16 | 12.4 | 8 | 6.2 | 11 | 8.5 |
| | | 20-24 | 268 | 27 | 10.3 | 46 | 18.6 | 31 | 12.0 | 38 | 14.7 | 25 | 9.7 | 45 | 17.4 |
| | | 25-29 | 92 | 10 | 11.1 | 5 | 5.9 | 8 | 9.0 | 12 | 13.5 | 9 | 10.1 | 11 | 12.2 |
| | | 30-34 | 22 | 1 | 4.5 | 2 | 9.1 | . | . | 3 | 14.3 | 1 | 4.8 | 5 | 25.0 |
| | | 35+ | 5 | 2 | 40.0 | 1 | 20.0 | 1 | 20.0 | 1 | 20.0 | . | . | 1 | 20.0 |
| | Years since diagnosis | 5-9 | 85 | . | . | . | . | 6 | 12.0 | 9 | 14.5 | 2 | 4.0 | 5 | 10.0 |
| | | 10-14 | 306 | 16 | 5.4 | 5 | 20.0 | 34 | 11.5 | 28 | 9.4 | 15 | 5.1 | 28 | 9.6 |
| | | 15-19 | 332 | 30 | 9.2 | 32 | 18.3 | 33 | 10.2 | 40 | 12.4 | 26 | 7.9 | 34 | 10.4 |
| | | 20+ | 275 | 30 | 10.9 | 34 | 13.1 | 26 | 9.7 | 35 | 13.1 | 23 | 8.5 | 48 | 17.8 |
| | Age at diagnosis | <1 | 475 | 28 | 6.0 | 28 | 15.3 | 42 | 9.0 | 43 | 9.3 | 23 | 4.9 | 54 | 11.5 |
| | | 1-4 | 418 | 43 | 11.0 | 35 | 17.2 | 49 | 12.6 | 58 | 14.8 | 40 | 10.3 | 51 | 13.2 |
| | | 5-9 | 75 | 2 | 3.2 | 5 | 10.0 | 4 | 6.5 | 5 | 7.4 | 1 | 1.6 | 6 | 9.8 |
| | | 10-14 | 17 | 1 | 6.7 | 2 | 14.3 | 3 | 20.0 | 3 | 17.6 | 1 | 7.1 | 2 | 13.3 |
| | | 15-20 | 13 | 2 | 22.2 | 1 | 11.1 | 1 | 12.5 | 3 | 33.3 | 1 | 12.5 | 2 | 25.0 |
| | Treatment | Surgery only | 284 | 16 | 5.7 | 15 | 11.6 | 13 | 4.7 | 15 | 5.5 | 12 | 4.3 | 23 | 8.3 |
| | | Chemotherapy, no radiation | 282 | 16 | 5.8 | 18 | 16.5 | 32 | 11.6 | 31 | 11.3 | 13 | 4.7 | 37 | 13.4 |
| | | Radiation, no chemotherapy | 76 | 3 | 4.1 | 8 | 21.6 | 10 | 14.1 | 8 | 11.3 | 13 | 18.6 | 9 | 13.0 |
| | | Chemotherapy and radiation | 272 | 35 | 14.6 | 25 | 17.6 | 40 | 17.0 | 49 | 19.8 | 24 | 10.0 | 40 | 16.8 |
| | | Unknown | 84 | 6 | 7.6 | 5 | 11.6 | 4 | 5.1 | 9 | 10.8 | 4 | 5.1 | 6 | 7.7 |

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¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1756 | 163 | 10.1 | 209 | 16.5 | 181 | 11.4 | 216 | 12.8 | 201 | 12.6 | 241 | 15.2 |
| | Age at baseline | <18 | 341 | 16 | 5.4 | . | . | 29 | 9.7 | 39 | 12.0 | 15 | 5.0 | 34 | 11.6 |
| | | 18-19 | 125 | 16 | 13.9 | 16 | 17.8 | 15 | 13.3 | 19 | 15.7 | 14 | 12.6 | 19 | 17.3 |
| | | 20-24 | 425 | 30 | 7.9 | 62 | 17.3 | 45 | 12.2 | 53 | 13.1 | 46 | 12.5 | 49 | 13.5 |
| | | 25-29 | 392 | 47 | 12.6 | 61 | 16.9 | 43 | 11.9 | 45 | 11.9 | 52 | 14.3 | 62 | 17.0 |
| | | 30-34 | 297 | 31 | 10.9 | 47 | 16.7 | 29 | 10.4 | 36 | 12.5 | 40 | 14.2 | 41 | 14.7 |
| | | 35+ | 176 | 23 | 13.5 | 23 | 13.4 | 20 | 11.8 | 24 | 14.0 | 34 | 19.9 | 36 | 21.2 |
| | Years since diagnosis | 5-9 | 182 | 7 | 6.2 | 10 | 20.4 | 7 | 6.4 | 30 | 18.6 | 6 | 5.5 | 13 | 12.0 |
| | | 10-14 | 521 | 38 | 7.9 | 49 | 17.6 | 53 | 11.2 | 53 | 10.6 | 44 | 9.2 | 72 | 15.2 |
| | | 15-19 | 540 | 47 | 9.0 | 72 | 16.1 | 46 | 9.0 | 67 | 12.8 | 71 | 14.0 | 72 | 14.3 |
| | | 20+ | 513 | 71 | 14.2 | 78 | 16.0 | 75 | 15.1 | 66 | 13.2 | 80 | 16.1 | 84 | 16.9 |
| | Age at diagnosis | <1 | 124 | 10 | 8.3 | 8 | 17.8 | 14 | 11.6 | 15 | 12.4 | 6 | 5.1 | 10 | 8.6 |
| | | 1-4 | 560 | 57 | 10.9 | 50 | 16.8 | 69 | 13.3 | 74 | 13.7 | 63 | 12.2 | 76 | 14.8 |
| | | 5-9 | 397 | 35 | 9.4 | 56 | 17.6 | 41 | 11.3 | 41 | 10.7 | 43 | 11.7 | 51 | 14.0 |
| | | 10-14 | 346 | 31 | 10.0 | 49 | 15.7 | 28 | 9.1 | 39 | 11.8 | 46 | 15.0 | 52 | 17.0 |
| | | 15-20 | 329 | 30 | 10.3 | 46 | 15.9 | 29 | 10.2 | 47 | 15.0 | 43 | 15.1 | 52 | 18.4 |
| | Treatment | Surgery only | 171 | 9 | 5.6 | 23 | 16.2 | 13 | 8.2 | 22 | 13.4 | 14 | 8.9 | 18 | 11.5 |
| | | Chemotherapy, no radiation | 359 | 28 | 8.1 | 34 | 13.3 | 25 | 7.3 | 34 | 9.7 | 36 | 10.6 | 48 | 14.2 |
| | | Radiation, no chemotherapy | 63 | 2 | 3.5 | 3 | 5.6 | 5 | 9.1 | 3 | 5.3 | 7 | 12.7 | 6 | 11.1 |
| | | Chemotherapy and radiation | 971 | 106 | 12.0 | 131 | 19.5 | 117 | 13.5 | 120 | 13.0 | 118 | 13.6 | 144 | 16.7 |
| | | Unknown | 192 | 18 | 10.3 | 18 | 12.9 | 21 | 12.3 | 37 | 19.6 | 26 | 15.0 | 25 | 14.5 |
| Males | All cases | | 949 | 75 | 8.6 | 105 | 15.8 | 91 | 10.6 | 87 | 9.6 | 104 | 12.1 | 117 | 13.8 |
| | Age at baseline | <18 | 192 | 7 | 4.3 | . | . | 13 | 8.1 | 16 | 8.9 | 8 | 4.9 | 23 | 14.5 |
| | | 18-19 | 66 | 8 | 13.1 | 9 | 20.9 | 9 | 15.0 | 11 | 16.9 | 7 | 11.9 | 8 | 13.8 |
| | | 20-24 | 242 | 16 | 7.3 | 33 | 16.2 | 27 | 12.8 | 27 | 11.8 | 31 | 14.7 | 26 | 12.6 |
| | | 25-29 | 207 | 23 | 11.7 | 31 | 16.5 | 21 | 10.9 | 14 | 6.9 | 20 | 10.3 | 27 | 13.8 |
| | | 30-34 | 158 | 14 | 9.3 | 25 | 16.9 | 15 | 10.1 | 16 | 10.4 | 22 | 14.9 | 18 | 12.2 |
| | | 35+ | 84 | 7 | 8.3 | 7 | 8.4 | 6 | 7.4 | 3 | 3.7 | 16 | 19.5 | 15 | 18.5 |
| | Years since diagnosis | 5-9 | 100 | 5 | 8.5 | 5 | 23.8 | 4 | 7.3 | 16 | 19.0 | 2 | 3.6 | 6 | 10.9 |
| | | 10-14 | 288 | 16 | 6.0 | 25 | 16.9 | 26 | 9.9 | 24 | 8.6 | 23 | 8.7 | 42 | 16.2 |
| | | 15-19 | 281 | 20 | 7.4 | 38 | 16.3 | 24 | 9.1 | 26 | 9.6 | 39 | 14.8 | 31 | 12.0 |
| | | 20+ | 280 | 34 | 12.3 | 37 | 14.0 | 37 | 13.5 | 21 | 7.6 | 40 | 14.7 | 38 | 13.9 |
| | Age at diagnosis | <1 | 52 | 4 | 7.7 | 4 | 23.5 | 4 | 7.8 | 3 | 5.9 | 3 | 6.0 | 5 | 10.0 |
| | | 1-4 | 330 | 33 | 10.8 | 29 | 17.1 | 39 | 13.0 | 35 | 11.0 | 38 | 12.7 | 41 | 13.8 |
| | | 5-9 | 224 | 11 | 5.3 | 27 | 15.5 | 21 | 10.3 | 19 | 8.7 | 20 | 9.7 | 24 | 11.9 |
| | | 10-14 | 186 | 12 | 7.1 | 25 | 14.9 | 17 | 10.2 | 16 | 9.1 | 23 | 13.9 | 27 | 16.4 |
| | | 15-20 | 157 | 15 | 10.8 | 20 | 14.6 | 10 | 7.5 | 14 | 9.5 | 20 | 14.8 | 20 | 15.0 |
| | Treatment | Surgery only | 74 | 4 | 5.6 | 11 | 16.9 | 4 | 6.0 | 5 | 7.2 | 5 | 7.6 | 5 | 7.6 |
| | | Chemotherapy, no radiation | 211 | 15 | 7.4 | 18 | 11.8 | 10 | 5.0 | 11 | 5.4 | 18 | 8.9 | 25 | 12.5 |

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⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | General Health ¹ | | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|-----------------------------|----|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Radiation, no chemotherapy | 32 | 1 | 3.4 | 1 | 3.8 | 3 | 10.3 | 1 | 3.3 | 3 | 10.3 | 4 | 14.3 |
| | | Chemotherapy and radiation | 521 | 50 | 10.7 | 65 | 18.9 | 64 | 13.9 | 51 | 10.2 | 63 | 13.6 | 71 | 15.6 |
| | | Unknown | 111 | 5 | 5.1 | 10 | 12.7 | 10 | 10.4 | 19 | 17.4 | 15 | 15.3 | 12 | 12.4 |
| Females | All cases | | 807 | 88 | 11.8 | 104 | 17.4 | 90 | 12.2 | 129 | 16.6 | 97 | 13.2 | 124 | 16.9 |
| | Age at baseline | <18 | 149 | 9 | 6.7 | . | . | 16 | 11.7 | 23 | 15.9 | 7 | 5.1 | 11 | 8.1 |
| | | 18-19 | 59 | 8 | 14.8 | 7 | 14.9 | 6 | 11.3 | 8 | 14.3 | 7 | 13.5 | 11 | 21.2 |
| | | 20-24 | 183 | 14 | 8.7 | 29 | 18.7 | 18 | 11.4 | 26 | 14.8 | 15 | 9.6 | 23 | 14.6 |
| | | 25-29 | 185 | 24 | 13.6 | 30 | 17.3 | 22 | 13.1 | 31 | 17.7 | 32 | 19.0 | 35 | 20.7 |
| | | 30-34 | 139 | 17 | 12.7 | 22 | 16.5 | 14 | 10.7 | 20 | 14.9 | 18 | 13.5 | 23 | 17.4 |
| | | 35+ | 92 | 16 | 18.6 | 16 | 18.0 | 14 | 15.7 | 21 | 23.3 | 18 | 20.2 | 21 | 23.6 |
| | Years since diagnosis | 5-9 | 82 | 2 | 3.7 | 5 | 17.9 | 3 | 5.5 | 14 | 18.2 | 4 | 7.5 | 7 | 13.2 |
| | | 10-14 | 233 | 22 | 10.1 | 24 | 18.3 | 27 | 12.7 | 29 | 12.9 | 21 | 9.8 | 30 | 14.1 |
| | | 15-19 | 259 | 27 | 10.8 | 34 | 15.9 | 22 | 8.9 | 41 | 16.4 | 32 | 13.1 | 41 | 16.9 |
| | | 20+ | 233 | 37 | 16.6 | 41 | 18.3 | 38 | 17.0 | 45 | 20.0 | 40 | 17.9 | 46 | 20.4 |
| | Age at diagnosis | <1 | 72 | 6 | 8.7 | 4 | 14.3 | 10 | 14.3 | 12 | 17.1 | 3 | 4.5 | 5 | 7.6 |
| | | 1-4 | 230 | 24 | 11.0 | 21 | 16.5 | 30 | 13.9 | 39 | 17.5 | 25 | 11.6 | 35 | 16.3 |
| | | 5-9 | 173 | 24 | 14.6 | 29 | 20.0 | 20 | 12.6 | 22 | 13.5 | 23 | 14.2 | 27 | 16.6 |
| | | 10-14 | 160 | 19 | 13.4 | 24 | 16.7 | 11 | 7.8 | 23 | 14.9 | 23 | 16.3 | 25 | 17.7 |
| | | 15-20 | 172 | 15 | 9.9 | 26 | 17.0 | 19 | 12.7 | 33 | 19.9 | 23 | 15.3 | 32 | 21.5 |
| | Treatment | Surgery only | 97 | 5 | 5.6 | 12 | 15.6 | 9 | 9.9 | 17 | 17.9 | 9 | 9.8 | 13 | 14.4 |
| | | Chemotherapy, no radiation | 148 | 13 | 9.3 | 16 | 15.4 | 15 | 10.7 | 23 | 15.8 | 18 | 13.0 | 23 | 16.5 |
| | | Radiation, no chemotherapy | 31 | 1 | 3.6 | 2 | 7.1 | 2 | 7.7 | 2 | 7.4 | 4 | 15.4 | 2 | 7.7 |
| | | Chemotherapy and radiation | 450 | 56 | 13.6 | 66 | 20.1 | 53 | 13.1 | 69 | 16.1 | 55 | 13.6 | 73 | 18.1 |
| | | Unknown | 81 | 13 | 17.3 | 8 | 13.3 | 11 | 14.7 | 18 | 22.5 | 11 | 14.7 | 13 | 17.3 |

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⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

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n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 2098 | 240 | 12.9 | 335 | 19.1 | 332 | 18.1 | 564 | 29.0 | 464 | 25.4 | 315 | 17.2 |
| | Age at baseline | <18 | 96 | 1 | 1.8 | . | . | 7 | 12.5 | 20 | 25.3 | 3 | 5.5 | 5 | 9.1 |
| | | 18-19 | 72 | 4 | 8.3 | 7 | 17.9 | 8 | 17.4 | 15 | 25.0 | 6 | 12.8 | 7 | 14.9 |
| | | 20-24 | 388 | 35 | 11.6 | 60 | 20.6 | 42 | 14.3 | 91 | 26.7 | 60 | 20.3 | 40 | 13.6 |
| | | 25-29 | 568 | 63 | 12.3 | 94 | 18.7 | 88 | 17.4 | 147 | 27.8 | 122 | 24.3 | 97 | 19.2 |
| | | 30-34 | 566 | 78 | 14.4 | 95 | 17.9 | 90 | 16.7 | 163 | 30.1 | 156 | 29.3 | 96 | 18.0 |
| | | 35+ | 408 | 59 | 14.8 | 79 | 20.1 | 97 | 24.4 | 128 | 32.2 | 117 | 29.8 | 70 | 17.6 |
| | Years since diagnosis | 5-9 | 241 | 10 | 9.9 | 19 | 23.8 | 15 | 16.9 | 68 | 39.8 | 14 | 15.6 | 12 | 13.3 |
| | | 10-14 | 681 | 67 | 10.8 | 102 | 17.9 | 92 | 14.9 | 167 | 25.9 | 144 | 23.5 | 98 | 16.1 |
| | | 15-19 | 676 | 83 | 12.8 | 124 | 19.7 | 116 | 18.0 | 179 | 27.9 | 166 | 26.0 | 108 | 16.8 |
| | | 20+ | 500 | 80 | 16.4 | 90 | 18.8 | 109 | 22.3 | 150 | 30.7 | 140 | 29.0 | 97 | 19.8 |
| | Age at diagnosis | <1 | 9 | 1 | 11.1 | . | . | . | . | 1 | 11.1 | . | . | 1 | 12.5 |
| | | 1-4 | 88 | 6 | 7.5 | 13 | 27.7 | 14 | 17.5 | 16 | 19.8 | 11 | 13.9 | 9 | 11.3 |
| | | 5-9 | 371 | 35 | 10.4 | 52 | 17.4 | 50 | 15.0 | 81 | 22.9 | 64 | 19.2 | 55 | 16.4 |
| | | 10-14 | 840 | 106 | 14.2 | 138 | 19.0 | 140 | 19.0 | 231 | 29.6 | 199 | 27.3 | 139 | 19.0 |
| | | 15-20 | 790 | 92 | 13.3 | 132 | 19.3 | 128 | 18.9 | 235 | 32.5 | 190 | 28.1 | 111 | 16.4 |
| | Treatment | Surgery only | 119 | 10 | 8.5 | 14 | 12.2 | 11 | 9.6 | 31 | 27.0 | 22 | 19.1 | 10 | 8.7 |
| | | Chemotherapy, no radiation | 1189 | 135 | 12.3 | 203 | 19.5 | 199 | 18.3 | 308 | 27.9 | 273 | 25.4 | 182 | 16.8 |
| | | Radiation, no chemotherapy | 17 | 3 | 23.1 | 2 | 15.4 | 3 | 21.4 | 3 | 20.0 | 3 | 21.4 | 1 | 7.1 |
| | | Chemotherapy and radiation | 580 | 66 | 13.8 | 86 | 19.3 | 86 | 18.4 | 149 | 28.1 | 114 | 24.5 | 93 | 20.0 |
| | | Unknown | 193 | 26 | 16.7 | 30 | 21.1 | 33 | 21.2 | 73 | 40.1 | 52 | 33.3 | 29 | 18.7 |
| Males | All cases | | 1084 | 121 | 12.8 | 165 | 18.7 | 142 | 15.3 | 250 | 25.1 | 237 | 25.7 | 124 | 13.4 |
| | Age at baseline | <18 | 48 | 1 | 4.2 | . | . | 2 | 8.3 | 12 | 31.6 | 1 | 4.2 | 1 | 4.2 |
| | | 18-19 | 36 | . | . | 2 | 13.3 | 3 | 16.7 | 4 | 12.9 | 1 | 5.3 | . | . |
| | | 20-24 | 193 | 14 | 9.4 | 23 | 16.7 | 18 | 12.6 | 34 | 20.4 | 24 | 16.7 | 10 | 6.9 |
| | | 25-29 | 299 | 34 | 12.9 | 49 | 19.4 | 39 | 15.2 | 69 | 25.4 | 68 | 26.8 | 49 | 19.3 |
| | | 30-34 | 283 | 40 | 14.9 | 54 | 20.6 | 34 | 12.6 | 70 | 25.7 | 81 | 30.6 | 36 | 13.6 |
| | | 35+ | 225 | 32 | 14.6 | 37 | 17.2 | 46 | 21.1 | 61 | 28.0 | 62 | 28.8 | 28 | 12.9 |
| | Years since diagnosis | 5-9 | 132 | 6 | 11.8 | 11 | 26.8 | 2 | 4.7 | 34 | 37.0 | 5 | 11.4 | 4 | 9.1 |
| | | 10-14 | 349 | 32 | 10.4 | 51 | 18.1 | 38 | 12.5 | 74 | 22.9 | 75 | 24.8 | 38 | 12.7 |
| | | 15-19 | 347 | 44 | 13.2 | 59 | 18.6 | 53 | 15.9 | 78 | 23.4 | 88 | 26.6 | 44 | 13.3 |
| | | 20+ | 256 | 39 | 15.7 | 44 | 18.3 | 49 | 19.6 | 64 | 25.6 | 69 | 28.3 | 38 | 15.3 |
| | Age at diagnosis | <1 | 4 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 1-4 | 47 | 4 | 9.1 | 5 | 17.2 | 7 | 15.9 | 5 | 11.4 | 5 | 11.6 | 3 | 6.8 |
| | | 5-9 | 190 | 17 | 9.9 | 23 | 15.5 | 28 | 16.7 | 37 | 20.3 | 25 | 14.9 | 24 | 14.2 |
| | | 10-14 | 401 | 46 | 13.3 | 60 | 18.0 | 50 | 14.5 | 84 | 22.6 | 97 | 28.8 | 45 | 13.4 |
| | | 15-20 | 442 | 54 | 14.3 | 77 | 20.8 | 57 | 15.4 | 124 | 31.2 | 110 | 29.8 | 52 | 14.1 |
| | Treatment | Surgery only | 48 | 5 | 10.4 | 8 | 17.4 | 5 | 10.6 | 11 | 23.4 | 9 | 18.8 | 4 | 8.3 |
| | | Chemotherapy, no radiation | 611 | 62 | 11.2 | 98 | 18.7 | 79 | 14.4 | 127 | 22.6 | 141 | 26.1 | 69 | 12.7 |

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| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Radiation, no chemotherapy | 9 | 2 | 33.3 | 1 | 14.3 | 2 | 28.6 | 1 | 12.5 | 1 | 14.3 | . | . |
| | | Chemotherapy and radiation | 296 | 36 | 15.1 | 41 | 18.8 | 40 | 17.3 | 70 | 26.2 | 51 | 22.3 | 36 | 15. |
| | | Unknown | 120 | 16 | 16.7 | 17 | 19.3 | 16 | 16.5 | 41 | 36.3 | 35 | 36.5 | 15 | 15.8 |
| Females | All cases | | 1014 | 119 | 12.9 | 170 | 19.4 | 190 | 20.9 | 314 | 33.1 | 227 | 25.1 | 191 | 21.0 |
| | Age at baseline | <18 | 48 | . | . | . | . | 5 | 15.6 | 8 | 19.5 | 2 | 6.5 | 4 | 12.9 |
| | | 18-19 | 36 | 4 | 14.3 | 5 | 20.8 | 5 | 17.9 | 11 | 37.9 | 5 | 17.9 | 7 | 25.0 |
| | | 20-24 | 195 | 21 | 13.6 | 37 | 24.2 | 24 | 15.9 | 57 | 32.8 | 36 | 23.8 | 30 | 20.0 |
| | | 25-29 | 269 | 29 | 11.6 | 45 | 18.0 | 49 | 19.6 | 78 | 30.5 | 54 | 21.7 | 48 | 19.2 |
| | | 30-34 | 283 | 38 | 13.9 | 41 | 15.2 | 56 | 20.8 | 93 | 34.6 | 75 | 28.1 | 60 | 22.3 |
| | | 35+ | 183 | 27 | 15.0 | 42 | 23.5 | 51 | 28.5 | 67 | 37.4 | 55 | 30.9 | 42 | 23.3 |
| | Years since diagnosis | 5-9 | 109 | 4 | 8.0 | 8 | 20.5 | 13 | 28.3 | 34 | 43.0 | 9 | 19.6 | 8 | 17.4 |
| | | 10-14 | 332 | 35 | 11.1 | 51 | 17.6 | 54 | 17.3 | 93 | 29.0 | 69 | 22.1 | 60 | 19.4 |
| | | 15-19 | 329 | 39 | 12.3 | 65 | 21.0 | 63 | 20.2 | 101 | 32.7 | 78 | 25.3 | 64 | 20.5 |
| | | 20+ | 244 | 41 | 17.2 | 46 | 19.3 | 60 | 25.2 | 86 | 36.0 | 71 | 29.8 | 59 | 24.6 |
| | Age at diagnosis | <1 | 5 | 1 | 20.0 | . | . | . | . | 1 | 20.0 | . | . | 1 | 25.0 |
| | | 1-4 | 41 | 2 | 5.6 | 8 | 44.4 | 7 | 19.4 | 11 | 29.7 | 6 | 16.7 | 6 | 16.7 |
| | | 5-9 | 181 | 18 | 10.9 | 29 | 19.2 | 22 | 13.3 | 44 | 25.7 | 39 | 23.6 | 31 | 18.7 |
| | | 10-14 | 439 | 60 | 15.1 | 78 | 19.8 | 90 | 22.8 | 147 | 35.9 | 102 | 26.1 | 94 | 23.9 |
| | | 15-20 | 348 | 38 | 12.0 | 55 | 17.6 | 71 | 23.0 | 111 | 34.2 | 80 | 26.0 | 59 | 19.1 |
| | Treatment | Surgery only | 71 | 5 | 7.2 | 6 | 8.7 | 6 | 9.0 | 20 | 29.4 | 13 | 19.4 | 6 | 9.0 |
| | | Chemotherapy, no radiation | 578 | 73 | 13.5 | 105 | 20.2 | 120 | 22.3 | 181 | 33.5 | 132 | 24.7 | 113 | 21.0 |
| | | Radiation, no chemotherapy | 8 | 1 | 14.3 | 1 | 16.7 | 1 | 14.3 | 2 | 28.6 | 2 | 28.6 | 1 | 14.3 |
| | | Chemotherapy and radiation | 284 | 30 | 12.4 | 45 | 19.8 | 46 | 19.4 | 79 | 30.0 | 63 | 26.7 | 57 | 24.1 |
| | | Unknown | 73 | 10 | 16.7 | 13 | 24.1 | 17 | 28.8 | 32 | 46.4 | 17 | 28.3 | 14 | 23.3 |

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n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 738 | 79 | 12.6 | 105 | 18.4 | 97 | 15.8 | 176 | 25.7 | 136 | 22.3 | 111 | 18.1 |
| | Age at baseline | <18 | 61 | 1 | 2.7 | . | . | 3 | 8.1 | 11 | 19.6 | 2 | 5.6 | 3 | 8.3 |
| | | 18-19 | 36 | 4 | 21.1 | 4 | 26.7 | 2 | 10.5 | 6 | 20.7 | 4 | 21.1 | 4 | 21.1 |
| | | 20-24 | 170 | 11 | 8.4 | 23 | 18.3 | 11 | 8.5 | 41 | 26.8 | 26 | 20.0 | 15 | 11.5 |
| | | 25-29 | 204 | 27 | 14.8 | 30 | 17.1 | 36 | 20.3 | 47 | 25.1 | 37 | 21.1 | 35 | 20.1 |
| | | 30-34 | 164 | 19 | 12.3 | 25 | 16.2 | 17 | 11.2 | 39 | 24.8 | 40 | 26.3 | 33 | 21.7 |
| | | 35+ | 103 | 17 | 16.7 | 23 | 22.5 | 28 | 27.7 | 32 | 31.4 | 27 | 27.8 | 21 | 20.8 |
| | Years since diagnosis | 5-9 | 103 | 4 | 13.3 | 3 | 15.0 | 1 | 3.6 | 30 | 37.5 | 3 | 10.7 | 2 | 7.1 |
| | | 10-14 | 247 | 18 | 8.2 | 30 | 16.0 | 28 | 13.0 | 50 | 21.7 | 45 | 21.0 | 36 | 16.9 |
| | | 15-19 | 223 | 31 | 14.4 | 40 | 19.4 | 36 | 17.1 | 52 | 24.4 | 43 | 20.7 | 37 | 17.7 |
| | | 20+ | 165 | 26 | 16.0 | 32 | 20.1 | 32 | 19.8 | 44 | 27.3 | 45 | 28.3 | 36 | 22.2 |
| | Age at diagnosis | <1 | 5 | . | . | . | . | . | . | . | . | . | . | 1 | 25.0 |
| | | 1-4 | 54 | 6 | 12.5 | 8 | 32.0 | 8 | 16.7 | 10 | 20.0 | 8 | 16.7 | 5 | 10.4 |
| | | 5-9 | 185 | 13 | 8.0 | 25 | 17.7 | 16 | 9.8 | 37 | 20.7 | 29 | 17.9 | 28 | 17.3 |
| | | 10-14 | 277 | 36 | 15.5 | 37 | 16.2 | 37 | 16.4 | 58 | 22.9 | 53 | 23.8 | 45 | 19.9 |
| | | 15-20 | 217 | 24 | 13.5 | 35 | 19.7 | 36 | 20.8 | 71 | 36.0 | 46 | 26.7 | 32 | 18.6 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | 1 | . | . | . | . | . |
| | | Chemotherapy, no radiation | 210 | 21 | 10.4 | 33 | 18.4 | 24 | 12.1 | 33 | 16.5 | 31 | 15.8 | 23 | 11.6 |
| | | Radiation, no chemotherapy | 2 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 461 | 50 | 13.3 | 63 | 18.0 | 64 | 17.4 | 118 | 28.0 | 89 | 24.4 | 76 | 20.8 |
| | | Unknown | 64 | 8 | 17.0 | 9 | 22.0 | 9 | 19.1 | 24 | 39.3 | 16 | 34.8 | 12 | 26.1 |
| Males | All cases | | 385 | 42 | 13.0 | 52 | 17.9 | 47 | 14.7 | 88 | 24.6 | 64 | 20.4 | 42 | 13.3 |
| | Age at baseline | <18 | 27 | 1 | 5.9 | . | . | 1 | 5.9 | 8 | 30.8 | 1 | 5.9 | 1 | 5.9 |
| | | 18-19 | 20 | . | . | 2 | 40.0 | 1 | 12.5 | 4 | 23.5 | 1 | 12.5 | . | . |
| | | 20-24 | 87 | 6 | 8.7 | 10 | 15.6 | 6 | 8.7 | 17 | 21.3 | 8 | 11.6 | 2 | 2.9 |
| | | 25-29 | 105 | 13 | 14.1 | 15 | 17.6 | 15 | 17.0 | 22 | 23.7 | 17 | 19.8 | 20 | 23.3 |
| | | 30-34 | 90 | 14 | 17.1 | 16 | 19.8 | 8 | 9.8 | 20 | 23.3 | 22 | 27.2 | 12 | 14.8 |
| | | 35+ | 56 | 8 | 14.3 | 9 | 16.1 | 16 | 29.1 | 17 | 30.9 | 15 | 28.3 | 7 | 12.7 |
| | Years since diagnosis | 5-9 | 55 | 3 | 15.0 | 2 | 13.3 | . | . | 18 | 38.3 | 1 | 5.3 | . | . |
| | | 10-14 | 121 | 8 | 8.0 | 15 | 17.9 | 9 | 9.2 | 22 | 20.2 | 17 | 17.5 | 10 | 10.3 |
| | | 15-19 | 122 | 16 | 13.7 | 18 | 16.7 | 19 | 16.5 | 26 | 22.4 | 22 | 19.5 | 14 | 12.4 |
| | | 20+ | 87 | 15 | 17.2 | 17 | 20.2 | 19 | 21.8 | 22 | 25.9 | 24 | 28.2 | 18 | 20.7 |
| | Age at diagnosis | <1 | 2 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | 1-4 | 29 | 4 | 14.8 | 4 | 28.6 | 6 | 22.2 | 5 | 18.5 | 5 | 18.5 | 3 | 11.1 |
| | | 5-9 | 92 | 7 | 8.5 | 12 | 17.6 | 9 | 11.0 | 19 | 20.9 | 10 | 12.3 | 13 | 16.0 |
| | | 10-14 | 146 | 18 | 14.6 | 21 | 17.6 | 15 | 12.5 | 26 | 19.5 | 26 | 22.4 | 15 | 12.7 |
| | | 15-20 | 116 | 13 | 14.4 | 15 | 16.7 | 17 | 19.3 | 38 | 36.5 | 23 | 26.1 | 11 | 12.5 |
| | Treatment | Chemotherapy, no radiation | 111 | 11 | 10.3 | 19 | 20.2 | 12 | 11.2 | 20 | 18.5 | 18 | 17.1 | 11 | 10.3 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . | . | . | . | . |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

² Mental Health is computed only for those age 18 and over at baseline, since questions are very different for those under 18. Mental Health is adverse outcome (T-score>=63) in any of the 3 Brief Symptom Inventory 18-item subscales computed from Brain and Nervous system problems (J.16-J.35/K.1-K.18)

³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Chemotherapy and radiation | 236 | 27 | 14.4 | 29 | 16.9 | 31 | 16.9 | 57 | 26.8 | 37 | 20.4 | 27 | 14.9 |
| | | Unknown | 37 | 4 | 14.3 | 4 | 16.7 | 4 | 14.3 | 11 | 31.4 | 9 | 33.3 | 4 | 14.8 |
| Females | All cases | | 353 | 37 | 12.2 | 53 | 18.9 | 50 | 16.9 | 88 | 26.9 | 72 | 24.4 | 69 | 23.3 |
| | Age at baseline | <18 | 34 | . | . | . | . | 2 | 10.0 | 3 | 10.0 | 1 | 5.3 | 2 | 10.5 |
| | | 18-19 | 16 | 4 | 36.4 | 2 | 20.0 | 1 | 9.1 | 2 | 16.7 | 3 | 27.3 | 4 | 36.4 |
| | | 20-24 | 83 | 5 | 8.1 | 13 | 21.0 | 5 | 8.3 | 24 | 32.9 | 18 | 29.5 | 13 | 21.3 |
| | | 25-29 | 99 | 14 | 15.4 | 15 | 16.7 | 21 | 23.6 | 25 | 26.6 | 20 | 22.5 | 15 | 17.0 |
| | | 30-34 | 74 | 5 | 6.8 | 9 | 12.3 | 9 | 12.9 | 19 | 26.8 | 18 | 25.4 | 21 | 29.6 |
| | | 35+ | 47 | 9 | 19.6 | 14 | 30.4 | 12 | 26.1 | 15 | 31.9 | 12 | 27.3 | 14 | 30.4 |
| | Years since diagnosis | 5-9 | 48 | 1 | 10.0 | 1 | 20.0 | 1 | 11.1 | 12 | 36.4 | 2 | 22.2 | 2 | 22.2 |
| | | 10-14 | 126 | 10 | 8.4 | 15 | 14.6 | 19 | 16.2 | 28 | 23.1 | 28 | 23.9 | 26 | 22.4 |
| | | 15-19 | 101 | 15 | 15.2 | 22 | 22.4 | 17 | 17.9 | 26 | 26.8 | 21 | 22.1 | 23 | 24.0 |
| | | 20+ | 78 | 11 | 14.7 | 15 | 20.0 | 13 | 17.3 | 22 | 28.9 | 21 | 28.4 | 18 | 24.0 |
| | Age at diagnosis | <1 | 3 | . | . | . | . | . | . | . | . | . | . | 1 | 50.0 |
| | | 1-4 | 25 | 2 | 9.5 | 4 | 36.4 | 2 | 9.5 | 5 | 21.7 | 3 | 14.3 | 2 | 9.5 |
| | | 5-9 | 93 | 6 | 7.4 | 13 | 17.8 | 7 | 8.6 | 18 | 20.5 | 19 | 23.5 | 15 | 18.5 |
| | | 10-14 | 131 | 18 | 16.4 | 16 | 14.7 | 22 | 20.8 | 32 | 26.7 | 27 | 25.2 | 30 | 27.8 |
| | | 15-20 | 101 | 11 | 12.5 | 20 | 22.7 | 19 | 22.4 | 33 | 35.5 | 23 | 27.4 | 21 | 25.0 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | 1 | . | . | . | . | . |
| | | Chemotherapy, no radiation | 99 | 10 | 10.6 | 14 | 16.5 | 12 | 13.0 | 13 | 14.1 | 13 | 14.3 | 12 | 13.2 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 225 | 23 | 12.2 | 34 | 19.1 | 33 | 17.9 | 61 | 29.3 | 52 | 28.3 | 49 | 26.5 |
| | | Unknown | 27 | 4 | 21.1 | 5 | 29.4 | 5 | 26.3 | 13 | 50.0 | 7 | 36.8 | 8 | 42.1 |

CCSS data from Jan2020 data freeze

Based on health status measures reported in Hudson, et.al, JAMA 2003; 290:1583-92

¹ General Health based on report of Fair or Poor health (N.15/O.21)

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³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|------------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1257 | 150 | 13.2 | 218 | 19.8 | 221 | 19.6 | 369 | 31.7 | 317 | 28.3 | 189 | 16.8 |
| | Age at baseline | <18 | 29 | . | . | . | . | 3 | 21.4 | 7 | 38.9 | . | . | 1 | 7.1 |
| | | 18-19 | 30 | . | . | 2 | 9.5 | 6 | 26.1 | 8 | 32.0 | 2 | 8.7 | 2 | 8.7 |
| | | 20-24 | 198 | 21 | 13.8 | 35 | 23.8 | 28 | 19.2 | 48 | 28.6 | 33 | 22.8 | 24 | 16.7 |
| | | 25-29 | 344 | 36 | 11.5 | 62 | 20.1 | 50 | 16.0 | 98 | 30.4 | 85 | 27.4 | 59 | 18.9 |
| | | 30-34 | 373 | 56 | 15.6 | 67 | 19.0 | 69 | 19.2 | 119 | 33.3 | 112 | 31.7 | 58 | 16.3 |
| | | 35+ | 283 | 37 | 13.5 | 52 | 19.3 | 65 | 23.7 | 89 | 32.6 | 85 | 31.0 | 45 | 16.4 |
| | Years since diagnosis | 5-9 | 131 | 5 | 7.6 | 15 | 26.3 | 13 | 23.2 | 38 | 45.2 | 10 | 17.5 | 10 | 17.5 |
| | | 10-14 | 397 | 46 | 12.5 | 69 | 19.5 | 60 | 16.3 | 111 | 29.3 | 96 | 26.3 | 56 | 15.5 |
| | | 15-19 | 422 | 51 | 12.6 | 80 | 20.3 | 76 | 18.6 | 121 | 30.3 | 120 | 29.9 | 67 | 16.6 |
| | | 20+ | 307 | 48 | 16.1 | 54 | 18.4 | 72 | 24.2 | 99 | 33.0 | 91 | 30.8 | 56 | 18.7 |
| | Age at diagnosis | 1-4 | 25 | . | . | 4 | 22.2 | 4 | 16.7 | 4 | 17.4 | 2 | 8.7 | 2 | 8.3 |
| | | 5-9 | 168 | 22 | 14.2 | 27 | 19.0 | 33 | 21.4 | 42 | 26.9 | 35 | 22.9 | 26 | 16.8 |
| | | 10-14 | 533 | 67 | 13.9 | 95 | 20.2 | 97 | 20.0 | 166 | 33.3 | 141 | 29.6 | 90 | 18.9 |
| | | 15-20 | 531 | 61 | 12.8 | 92 | 19.7 | 87 | 18.6 | 157 | 32.4 | 139 | 29.8 | 71 | 15.2 |
| | Treatment | Surgery only | 86 | 5 | 6.0 | 12 | 14.5 | 9 | 10.8 | 25 | 30.1 | 22 | 26.5 | 7 | 8.4 |
| | | Chemotherapy, no radiation | 955 | 113 | 12.9 | 165 | 19.5 | 172 | 19.8 | 271 | 30.7 | 239 | 27.9 | 154 | 17.9 |
| | | Radiation, no chemotherapy | 10 | 3 | 37.5 | 2 | 22.2 | 2 | 22.2 | 2 | 22.2 | 2 | 22.2 | 1 | 11.1 |
| | | Chemotherapy and radiation | 83 | 14 | 20.9 | 19 | 29.7 | 17 | 25.8 | 23 | 31.1 | 21 | 32.8 | 11 | 17.2 |
| | | Unknown | 123 | 15 | 14.4 | 20 | 20.6 | 21 | 20.2 | 48 | 41.7 | 33 | 31.4 | 16 | 15.4 |
| Males | All cases | | 647 | 73 | 12.8 | 108 | 19.7 | 89 | 15.8 | 156 | 26.4 | 168 | 30.1 | 77 | 13.8 |
| | Age at baseline | <18 | 20 | . | . | . | . | 1 | 16.7 | 4 | 36.4 | . | . | . | . |
| | | 18-19 | 12 | . | . | . | . | 2 | 25.0 | . | . | . | . | . | . |
| | | 20-24 | 95 | 7 | 10.1 | 13 | 20.0 | 10 | 15.6 | 17 | 22.4 | 15 | 23.4 | 7 | 10.9 |
| | | 25-29 | 183 | 21 | 13.0 | 33 | 21.0 | 23 | 14.5 | 46 | 27.4 | 51 | 32.3 | 28 | 17.7 |
| | | 30-34 | 178 | 24 | 14.0 | 36 | 21.4 | 25 | 14.4 | 48 | 27.9 | 57 | 33.5 | 21 | 12.4 |
| | | 35+ | 159 | 21 | 13.7 | 26 | 17.4 | 28 | 18.3 | 41 | 26.8 | 45 | 29.6 | 21 | 13.8 |
| | Years since diagnosis | 5-9 | 74 | 2 | 6.7 | 9 | 36.0 | 1 | 4.3 | 16 | 38.1 | 3 | 12.5 | 4 | 16.7 |
| | | 10-14 | 209 | 22 | 11.5 | 34 | 18.6 | 28 | 14.9 | 51 | 26.0 | 56 | 29.9 | 25 | 13.5 |
| | | 15-19 | 210 | 28 | 13.9 | 40 | 20.4 | 33 | 16.1 | 50 | 24.8 | 66 | 32.5 | 28 | 13.9 |
| | | 20+ | 154 | 21 | 14.3 | 25 | 17.5 | 27 | 18.2 | 39 | 26.0 | 43 | 29.9 | 20 | 13.6 |
| | Age at diagnosis | 1-4 | 14 | . | . | 1 | 8.3 | . | . | . | . | . | . | . | . |
| | | 5-9 | 84 | 10 | 13.3 | 11 | 16.4 | 18 | 24.3 | 17 | 22.1 | 15 | 20.5 | 10 | 13.5 |
| | | 10-14 | 245 | 26 | 12.1 | 38 | 18.4 | 33 | 15.3 | 56 | 24.6 | 69 | 32.5 | 29 | 13.8 |
| | | 15-20 | 304 | 37 | 13.9 | 58 | 22.1 | 38 | 14.5 | 83 | 30.5 | 84 | 32.2 | 38 | 14.6 |
| | Treatment | Surgery only | 30 | 3 | 10.0 | 6 | 20.7 | 5 | 16.7 | 9 | 31.0 | 9 | 30.0 | 3 | 10.0 |
| | | Chemotherapy, no radiation | 488 | 51 | 11.6 | 78 | 18.6 | 67 | 15.5 | 107 | 24.1 | 123 | 28.9 | 57 | 13.3 |
| | | Radiation, no chemotherapy | 6 | 2 | 50.0 | 1 | 20.0 | 1 | 20.0 | 1 | 20.0 | 1 | 20.0 | . | . |
| | | Chemotherapy and radiation | 44 | 7 | 20.6 | 11 | 33.3 | 6 | 18.2 | 10 | 26.3 | 11 | 34.4 | 6 | 18.8 |

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³ Functional Impairment is based on an answer of 'Yes' to questions regarding help with personal care, routine needs or holding a job (N.10-N.12/O.16-O.18)

⁴ Activity Limitation is based on a limitation of more than 3 months in moderate activity, climbing stairs or walking one block (N.14 b,c or e/O.20 b,c or e)

⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | General Health ¹ | | Mental Health ² | | Functional Impairment ³ | | Activity Limitation ⁴ | | Pain ⁵ | | Anxiety ⁶ | |
|---------|-----------------------|----------------------------|-----------|-----------------------------|------|----------------------------|------|------------------------------------|------|----------------------------------|------|-------------------|------|----------------------|------|
| | | | All cases | N | % | N | % | N | % | N | % | N | % | N | % |
| | | Unknown | 79 | 10 | 15.6 | 12 | 20.0 | 10 | 15.4 | 29 | 39.2 | 24 | 36.9 | 11 | 17.2 |
| Females | All cases | | 610 | 77 | 13.6 | 110 | 19.9 | 132 | 23.4 | 213 | 37.2 | 149 | 26.6 | 112 | 19.9 |
| | Age at baseline | <18 | 9 | . | . | . | . | 2 | 25.0 | 3 | 42.9 | . | . | 1 | 12.5 |
| | | 18-19 | 18 | . | . | 2 | 15.4 | 4 | 26.7 | 8 | 53.3 | 2 | 13.3 | 2 | 13.3 |
| | | 20-24 | 103 | 14 | 16.9 | 22 | 26.8 | 18 | 22.0 | 31 | 33.7 | 18 | 22.2 | 17 | 21.3 |
| | | 25-29 | 161 | 15 | 9.9 | 29 | 19.1 | 27 | 17.6 | 52 | 33.8 | 34 | 22.4 | 31 | 20.1 |
| | | 30-34 | 195 | 32 | 17.1 | 31 | 16.8 | 44 | 23.7 | 71 | 38.4 | 55 | 30.1 | 37 | 20.0 |
| | | 35+ | 124 | 16 | 13.1 | 26 | 21.5 | 37 | 30.6 | 48 | 40.0 | 40 | 32.8 | 24 | 19.7 |
| | Years since diagnosis | 5-9 | 57 | 3 | 8.3 | 6 | 18.8 | 12 | 36.4 | 22 | 52.4 | 7 | 21.2 | 6 | 18.2 |
| | | 10-14 | 188 | 24 | 13.5 | 35 | 20.5 | 32 | 17.9 | 60 | 32.8 | 40 | 22.5 | 31 | 17.5 |
| | | 15-19 | 212 | 23 | 11.4 | 40 | 20.1 | 43 | 21.2 | 71 | 35.9 | 54 | 27.1 | 39 | 19.3 |
| | | 20+ | 153 | 27 | 17.9 | 29 | 19.3 | 45 | 30.0 | 60 | 40.0 | 48 | 31.8 | 36 | 23.7 |
| | Age at diagnosis | 1-4 | 11 | . | . | 3 | 50.0 | 4 | 36.4 | 4 | 40.0 | 2 | 18.2 | 2 | 18.2 |
| | | 5-9 | 84 | 12 | 15.0 | 16 | 21.3 | 15 | 18.8 | 25 | 31.6 | 20 | 25.0 | 16 | 19.8 |
| | | 10-14 | 288 | 41 | 15.3 | 57 | 21.5 | 64 | 23.8 | 110 | 40.6 | 72 | 27.2 | 61 | 22.9 |
| | | 15-20 | 227 | 24 | 11.5 | 34 | 16.5 | 49 | 23.9 | 74 | 34.7 | 55 | 26.8 | 33 | 16.0 |
| | Treatment | Surgery only | 56 | 2 | 3.7 | 6 | 11.1 | 4 | 7.5 | 16 | 29.6 | 13 | 24.5 | 4 | 7.5 |
| | | Chemotherapy, no radiation | 467 | 62 | 14.2 | 87 | 20.4 | 105 | 24.1 | 164 | 37.4 | 116 | 26.9 | 97 | 22.3 |
| | | Radiation, no chemotherapy | 4 | 1 | 25.0 | 1 | 25.0 | 1 | 25.0 | 1 | 25.0 | 1 | 25.0 | 1 | 25.0 |
| | | Chemotherapy and radiation | 39 | 7 | 21.2 | 8 | 25.8 | 11 | 33.3 | 13 | 36.1 | 10 | 31.3 | 5 | 15.6 |
| | | Unknown | 44 | 5 | 12.5 | 8 | 21.6 | 11 | 28.2 | 19 | 46.3 | 9 | 22.5 | 5 | 12.5 |

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⁵ Pain is based on report of medium, a lot, or very bad excruciating pain (J.36/K.19)

⁶ Anxiety is based on report of medium, a lot or very many anxiety/fears (J.37/K.20)

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|------------|---|------------|---|-------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 25658 | 854 | 3.6 | 1963 | 8.4 | 2435 | 10.4 | 4259 | 17.9 |
| | Age at baseline | <18 | 5685 | 271 | 5.5 | 435 | 8.9 | 247 | 5.0 | 613 | 12.4 |
| | | 18-19 | 2155 | 78 | 4.0 | 178 | 9.1 | 178 | 9.1 | 277 | 13.9 |
| | | 20-24 | 6010 | 185 | 3.4 | 443 | 8.1 | 616 | 11.3 | 917 | 16.4 |
| | | 25-29 | 5553 | 160 | 3.1 | 452 | 8.8 | 669 | 13.0 | 1001 | 19.0 |
| | | 30-34 | 3865 | 100 | 2.7 | 265 | 7.2 | 437 | 11.9 | 842 | 22.5 |
| | | 35+ | 2390 | 60 | 2.6 | 190 | 8.3 | 288 | 12.5 | 609 | 26.1 |
| | Years since diagnosis | 5-9 | 2588 | 62 | 4.2 | 94 | 6.4 | 86 | 5.9 | 201 | 13.3 |
| | | 10-14 | 8347 | 272 | 3.5 | 571 | 7.3 | 608 | 7.8 | 1243 | 15.7 |
| | | 15-19 | 8210 | 280 | 3.6 | 685 | 8.7 | 863 | 11.0 | 1421 | 17.7 |
| | | 20+ | 6513 | 240 | 3.8 | 613 | 9.7 | 878 | 13.9 | 1394 | 21.7 |
| | Age at diagnosis | <1 | 1926 | 127 | 6.8 | 188 | 10.1 | 131 | 7.0 | 286 | 15.2 |
| | | 1-4 | 8262 | 336 | 4.4 | 724 | 9.4 | 714 | 9.3 | 1131 | 14.5 |
| | | 5-9 | 5782 | 192 | 3.6 | 449 | 8.5 | 604 | 11.4 | 883 | 16.5 |
| | | 10-14 | 5444 | 116 | 2.4 | 357 | 7.2 | 574 | 11.6 | 1045 | 20.8 |
| | | 15-20 | 4244 | 83 | 2.3 | 245 | 6.7 | 412 | 11.2 | 914 | 24.1 |
| | Treatment | Surgery only | 2162 | 80 | 3.9 | 172 | 8.3 | 203 | 9.8 | 345 | 16.4 |
| | | Chemotherapy, no radiation | 8136 | 240 | 3.1 | 525 | 6.8 | 598 | 7.7 | 1263 | 16.2 |
| | | Radiation, no chemotherapy | 2086 | 110 | 5.9 | 279 | 15.1 | 310 | 16.8 | 415 | 21.5 |
| | | Chemotherapy and radiation | 10771 | 344 | 3.6 | 803 | 8.4 | 1047 | 11.0 | 1784 | 18.4 |
| | | Unknown | 2503 | 80 | 3.5 | 184 | 8.2 | 277 | 12.3 | 452 | 19.8 |
| Males | All cases | | 13721 | 444 | 3.6 | 946 | 7.6 | 1213 | 9.8 | 1896 | 15.0 |
| | Age at baseline | <18 | 3062 | 152 | 5.8 | 215 | 8.3 | 130 | 5.0 | 316 | 12.1 |
| | | 18-19 | 1125 | 42 | 4.2 | 95 | 9.4 | 86 | 8.5 | 121 | 11.7 |
| | | 20-24 | 3164 | 94 | 3.3 | 216 | 7.6 | 313 | 11.0 | 395 | 13.6 |
| | | 25-29 | 3085 | 79 | 2.8 | 228 | 8.0 | 341 | 12.0 | 445 | 15.3 |
| | | 30-34 | 2056 | 52 | 2.7 | 124 | 6.4 | 218 | 11.3 | 364 | 18.4 |
| | | 35+ | 1229 | 25 | 2.1 | 68 | 5.8 | 125 | 10.6 | 255 | 21.3 |
| | Years since diagnosis | 5-9 | 1453 | 34 | 4.4 | 50 | 6.5 | 42 | 5.4 | 102 | 12.7 |
| | | 10-14 | 4469 | 155 | 3.7 | 279 | 6.8 | 312 | 7.6 | 594 | 14.2 |
| | | 15-19 | 4317 | 147 | 3.6 | 328 | 8.0 | 426 | 10.4 | 593 | 14.1 |
| | | 20+ | 3482 | 108 | 3.2 | 289 | 8.5 | 433 | 12.8 | 607 | 17.7 |
| | Age at diagnosis | <1 | 983 | 64 | 6.7 | 99 | 10.4 | 61 | 6.4 | 140 | 14.6 |
| | | 1-4 | 4326 | 176 | 4.4 | 348 | 8.7 | 358 | 9.0 | 503 | 12.4 |
| | | 5-9 | 3261 | 116 | 3.9 | 252 | 8.6 | 332 | 11.3 | 427 | 14.3 |
| | | 10-14 | 2880 | 53 | 2.0 | 140 | 5.4 | 274 | 10.6 | 423 | 16.0 |
| | | 15-20 | 2271 | 35 | 1.8 | 107 | 5.6 | 188 | 9.9 | 403 | 20.3 |
| | Treatment | Surgery only | 1065 | 48 | 4.7 | 92 | 9.1 | 106 | 10.5 | 150 | 14.5 |
| | | Chemotherapy, no radiation | 4287 | 128 | 3.2 | 255 | 6.3 | 301 | 7.4 | 550 | 13.4 |
| | | Radiation, no chemotherapy | 1086 | 49 | 5.1 | 126 | 13.2 | 150 | 15.8 | 181 | 18.2 |
| | | Chemotherapy and radiation | 5805 | 183 | 3.6 | 393 | 7.8 | 517 | 10.2 | 785 | 15.2 |
| | | Unknown | 1478 | 36 | 2.7 | 80 | 6.1 | 139 | 10.5 | 230 | 17.2 |
| Females | All cases | | 11937 | 410 | 3.7 | 1017 | 9.2 | 1222 | 11.1 | 2363 | 21.1 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|-----|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | Age at baseline | <18 | 2623 | 119 | 5.1 | 220 | 9.5 | 117 | 5.1 | 297 | 12.8 |
| | | 18-19 | 1030 | 36 | 3.8 | 83 | 8.8 | 92 | 9.7 | 156 | 16.2 |
| | | 20-24 | 2846 | 91 | 3.5 | 227 | 8.7 | 303 | 11.6 | 522 | 19.5 |
| | | 25-29 | 2468 | 81 | 3.5 | 224 | 9.7 | 328 | 14.2 | 556 | 23.6 |
| | | 30-34 | 1809 | 48 | 2.8 | 141 | 8.2 | 219 | 12.7 | 478 | 27.0 |
| | | 35+ | 1161 | 35 | 3.1 | 122 | 10.9 | 163 | 14.6 | 354 | 31.1 |
| | Years since diagnosis | 5-9 | 1135 | 28 | 4.1 | 44 | 6.4 | 44 | 6.4 | 99 | 14.1 |
| | | 10-14 | 3878 | 117 | 3.2 | 292 | 8.0 | 296 | 8.1 | 649 | 17.5 |
| | | 15-19 | 3893 | 133 | 3.6 | 357 | 9.6 | 437 | 11.7 | 828 | 21.8 |
| | | 20+ | 3031 | 132 | 4.5 | 324 | 11.0 | 445 | 15.1 | 787 | 26.2 |
| | Age at diagnosis | <1 | 943 | 63 | 6.9 | 89 | 9.8 | 70 | 7.7 | 146 | 15.9 |
| | | 1-4 | 3936 | 160 | 4.3 | 376 | 10.2 | 356 | 9.6 | 628 | 16.8 |
| | | 5-9 | 2521 | 76 | 3.3 | 197 | 8.4 | 272 | 11.6 | 456 | 19.2 |
| | | 10-14 | 2564 | 63 | 2.7 | 217 | 9.3 | 300 | 12.9 | 622 | 26.1 |
| | | 15-20 | 1973 | 48 | 2.7 | 138 | 7.9 | 224 | 12.7 | 511 | 28.2 |
| | Treatment | Surgery only | 1097 | 32 | 3.0 | 80 | 7.6 | 97 | 9.2 | 195 | 18.2 |
| | | Chemotherapy, no radiation | 3849 | 112 | 3.0 | 270 | 7.3 | 297 | 8.1 | 713 | 19.2 |
| | | Radiation, no chemotherapy | 1000 | 61 | 6.8 | 153 | 17.1 | 160 | 17.8 | 234 | 24.9 |
| | | Chemotherapy and radiation | 4966 | 161 | 3.6 | 410 | 9.2 | 530 | 11.9 | 999 | 21.9 |
| | | Unknown | 1025 | 44 | 4.7 | 104 | 11.1 | 138 | 14.8 | 222 | 23.6 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|------------|---|------------|---|------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 7872 | 199 | 2.8 | 450 | 6.3 | 567 | 7.9 | 980 | 13.4 |
| | Age at baseline | <18 | 2233 | 78 | 4.1 | 124 | 6.6 | 79 | 4.2 | 182 | 9.6 |
| | | 18-19 | 844 | 33 | 4.3 | 61 | 8.0 | 66 | 8.7 | 95 | 12.0 |
| | | 20-24 | 1964 | 50 | 2.7 | 119 | 6.5 | 167 | 9.1 | 255 | 13.6 |
| | | 25-29 | 1598 | 19 | 1.3 | 83 | 5.5 | 141 | 9.3 | 228 | 14.7 |
| | | 30-34 | 837 | 11 | 1.4 | 44 | 5.5 | 75 | 9.4 | 144 | 17.6 |
| | | 35+ | 396 | 8 | 2.1 | 19 | 5.0 | 39 | 10.2 | 76 | 19.4 |
| | Years since diagnosis | 5-9 | 980 | 16 | 2.7 | 24 | 4.1 | 24 | 4.1 | 56 | 9.4 |
| | | 10-14 | 2637 | 66 | 2.6 | 134 | 5.4 | 140 | 5.6 | 309 | 12.2 |
| | | 15-19 | 2439 | 68 | 2.9 | 155 | 6.7 | 210 | 9.0 | 326 | 13.6 |
| | | 20+ | 1816 | 49 | 2.8 | 137 | 7.7 | 193 | 10.9 | 289 | 16.0 |
| | Age at diagnosis | <1 | 241 | 26 | 11.3 | 39 | 16.9 | 26 | 11.2 | 37 | 15.9 |
| | | 1-4 | 3709 | 115 | 3.4 | 257 | 7.5 | 261 | 7.6 | 388 | 11.1 |
| | | 5-9 | 1924 | 37 | 2.1 | 78 | 4.5 | 129 | 7.4 | 235 | 13.1 |
| | | 10-14 | 1311 | 14 | 1.2 | 50 | 4.2 | 90 | 7.6 | 206 | 17.0 |
| | | 15-20 | 687 | 7 | 1.2 | 26 | 4.4 | 61 | 10.4 | 114 | 18.5 |
| | Treatment | Surgery only | 3 | . | . | . | . | . | . | 1 | 50.0 |
| | | Chemotherapy, no radiation | 3367 | 103 | 3.2 | 208 | 6.5 | 226 | 7.1 | 388 | 12.0 |
| | | Radiation, no chemotherapy | 4 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 3762 | 77 | 2.3 | 204 | 6.2 | 278 | 8.4 | 486 | 14.2 |
| | | Unknown | 736 | 19 | 2.9 | 38 | 5.7 | 63 | 9.5 | 105 | 15.6 |
| Males | All cases | | 4200 | 102 | 2.7 | 221 | 5.8 | 276 | 7.3 | 414 | 10.7 |
| | Age at baseline | <18 | 1219 | 45 | 4.4 | 65 | 6.5 | 47 | 4.7 | 104 | 10.3 |
| | | 18-19 | 455 | 19 | 4.6 | 34 | 8.3 | 35 | 8.5 | 43 | 10.2 |
| | | 20-24 | 996 | 21 | 2.3 | 54 | 5.9 | 74 | 8.0 | 92 | 9.7 |
| | | 25-29 | 867 | 9 | 1.1 | 38 | 4.6 | 69 | 8.4 | 91 | 10.8 |
| | | 30-34 | 440 | 5 | 1.2 | 20 | 4.8 | 31 | 7.4 | 50 | 11.6 |
| | | 35+ | 223 | 3 | 1.4 | 10 | 4.7 | 20 | 9.3 | 34 | 15.4 |
| | Years since diagnosis | 5-9 | 557 | 8 | 2.5 | 14 | 4.5 | 15 | 4.8 | 33 | 10.4 |
| | | 10-14 | 1414 | 42 | 3.1 | 69 | 5.2 | 74 | 5.5 | 150 | 11.1 |
| | | 15-19 | 1254 | 30 | 2.5 | 73 | 6.1 | 91 | 7.6 | 116 | 9.4 |
| | | 20+ | 975 | 22 | 2.3 | 65 | 6.9 | 96 | 10.1 | 115 | 11.9 |
| | Age at diagnosis | <1 | 112 | 11 | 10.1 | 19 | 17.4 | 15 | 13.8 | 17 | 15.5 |
| | | 1-4 | 1985 | 60 | 3.3 | 127 | 7.0 | 130 | 7.2 | 171 | 9.3 |
| | | 5-9 | 1038 | 25 | 2.7 | 40 | 4.3 | 62 | 6.6 | 104 | 10.9 |
| | | 10-14 | 647 | 4 | 0.7 | 20 | 3.4 | 40 | 6.8 | 72 | 12.2 |
| | | 15-20 | 418 | 2 | 0.6 | 15 | 4.2 | 29 | 8.1 | 50 | 13.3 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 1689 | 60 | 3.7 | 112 | 7.0 | 121 | 7.5 | 170 | 10.5 |
| | | Radiation, no chemotherapy | 3 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 2066 | 36 | 2.0 | 97 | 5.4 | 131 | 7.3 | 209 | 11.3 |
| | | Unknown | 441 | 6 | 1.5 | 12 | 3.0 | 24 | 6.1 | 35 | 8.7 |
| Females | All cases | | 3672 | 97 | 2.9 | 229 | 6.8 | 291 | 8.6 | 566 | 16.4 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|------|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | Age at baseline | <18 | 1014 | 33 | 3.7 | 59 | 6.7 | 32 | 3.6 | 78 | 8.8 |
| | | 18-19 | 389 | 14 | 4.0 | 27 | 7.7 | 31 | 8.8 | 52 | 14.2 |
| | | 20-24 | 968 | 29 | 3.2 | 65 | 7.2 | 93 | 10.3 | 163 | 17.5 |
| | | 25-29 | 731 | 10 | 1.4 | 45 | 6.4 | 72 | 10.3 | 137 | 19.2 |
| | | 30-34 | 397 | 6 | 1.6 | 24 | 6.4 | 44 | 11.7 | 94 | 24.2 |
| | | 35+ | 173 | 5 | 3.0 | 9 | 5.4 | 19 | 11.4 | 42 | 24.6 |
| | Years since diagnosis | 5-9 | 423 | 8 | 2.9 | 10 | 3.6 | 9 | 3.2 | 23 | 8.2 |
| | | 10-14 | 1223 | 24 | 2.1 | 65 | 5.6 | 66 | 5.7 | 159 | 13.5 |
| | | 15-19 | 1185 | 38 | 3.4 | 82 | 7.3 | 119 | 10.5 | 210 | 18.0 |
| | | 20+ | 841 | 27 | 3.3 | 72 | 8.7 | 97 | 11.8 | 174 | 20.8 |
| | Age at diagnosis | <1 | 129 | 15 | 12.3 | 20 | 16.4 | 11 | 8.9 | 20 | 16.3 |
| | | 1-4 | 1724 | 55 | 3.4 | 130 | 8.1 | 131 | 8.1 | 217 | 13.3 |
| | | 5-9 | 886 | 12 | 1.5 | 38 | 4.6 | 67 | 8.2 | 131 | 15.7 |
| | | 10-14 | 664 | 10 | 1.7 | 30 | 5.0 | 50 | 8.3 | 134 | 21.6 |
| | | 15-20 | 269 | 5 | 2.2 | 11 | 4.8 | 32 | 13.9 | 64 | 26.8 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | 1 | . |
| | | Chemotherapy, no radiation | 1678 | 43 | 2.7 | 96 | 6.0 | 105 | 6.6 | 218 | 13.6 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 1696 | 41 | 2.7 | 107 | 7.0 | 147 | 9.7 | 277 | 17.6 |
| | | Unknown | 295 | 13 | 4.8 | 26 | 9.6 | 39 | 14.4 | 70 | 25.7 |

CCSS data from Jan2020 data freeze

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|------------|---|------------|---|------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 6615 | 139 | 2.3 | 323 | 5.3 | 436 | 7.2 | 800 | 12.9 |
| | Age at baseline | <18 | 1940 | 49 | 3.0 | 83 | 5.1 | 60 | 3.7 | 151 | 9.2 |
| | | 18-19 | 730 | 23 | 3.5 | 40 | 6.0 | 51 | 7.7 | 81 | 11.8 |
| | | 20-24 | 1687 | 35 | 2.2 | 83 | 5.2 | 129 | 8.1 | 217 | 13.3 |
| | | 25-29 | 1329 | 16 | 1.3 | 67 | 5.3 | 118 | 9.3 | 194 | 14.9 |
| | | 30-34 | 649 | 10 | 1.6 | 36 | 5.8 | 56 | 9.1 | 111 | 17.4 |
| | | 35+ | 280 | 6 | 2.2 | 14 | 5.2 | 22 | 8.1 | 46 | 16.6 |
| | Years since diagnosis | 5-9 | 844 | 13 | 2.5 | 20 | 3.8 | 23 | 4.3 | 48 | 9.1 |
| | | 10-14 | 2223 | 47 | 2.2 | 95 | 4.5 | 106 | 5.0 | 256 | 12.0 |
| | | 15-19 | 2022 | 43 | 2.2 | 101 | 5.3 | 153 | 8.0 | 261 | 13.1 |
| | | 20+ | 1526 | 36 | 2.4 | 107 | 7.2 | 154 | 10.4 | 235 | 15.5 |
| | Age at diagnosis | <1 | 133 | 9 | 7.3 | 17 | 13.8 | 14 | 11.3 | 21 | 16.8 |
| | | 1-4 | 3298 | 81 | 2.7 | 186 | 6.1 | 207 | 6.8 | 337 | 10.9 |
| | | 5-9 | 1691 | 32 | 2.1 | 62 | 4.0 | 109 | 7.1 | 208 | 13.1 |
| | | 10-14 | 1026 | 12 | 1.3 | 39 | 4.2 | 71 | 7.6 | 158 | 16.6 |
| | | 15-20 | 467 | 5 | 1.2 | 19 | 4.6 | 35 | 8.6 | 76 | 18.0 |
| | Treatment | Chemotherapy, no radiation | 2684 | 57 | 2.2 | 120 | 4.7 | 149 | 5.8 | 304 | 11.7 |
| | | Radiation, no chemotherapy | 4 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 3298 | 67 | 2.3 | 171 | 5.9 | 239 | 8.2 | 411 | 13.7 |
| | | Unknown | 629 | 15 | 2.6 | 32 | 5.6 | 48 | 8.4 | 85 | 14.8 |
| Males | All cases | | 3562 | 68 | 2.1 | 154 | 4.8 | 207 | 6.4 | 344 | 10.4 |
| | Age at baseline | <18 | 1060 | 27 | 3.1 | 39 | 4.5 | 34 | 3.9 | 87 | 9.9 |
| | | 18-19 | 398 | 13 | 3.6 | 21 | 5.8 | 27 | 7.5 | 39 | 10.5 |
| | | 20-24 | 857 | 12 | 1.5 | 34 | 4.2 | 48 | 6.0 | 75 | 9.1 |
| | | 25-29 | 733 | 8 | 1.1 | 34 | 4.9 | 61 | 8.8 | 81 | 11.3 |
| | | 30-34 | 347 | 5 | 1.5 | 18 | 5.4 | 25 | 7.5 | 40 | 11.8 |
| | | 35+ | 167 | 3 | 1.8 | 8 | 4.9 | 12 | 7.4 | 22 | 13.3 |
| | Years since diagnosis | 5-9 | 481 | 7 | 2.5 | 12 | 4.3 | 14 | 4.9 | 28 | 9.9 |
| | | 10-14 | 1201 | 28 | 2.4 | 47 | 4.1 | 56 | 4.9 | 130 | 11.3 |
| | | 15-19 | 1054 | 18 | 1.8 | 45 | 4.5 | 62 | 6.2 | 93 | 8.9 |
| | | 20+ | 826 | 15 | 1.9 | 50 | 6.2 | 75 | 9.3 | 93 | 11.3 |
| | Age at diagnosis | <1 | 64 | 3 | 4.9 | 8 | 13.1 | 8 | 13.1 | 10 | 16.1 |
| | | 1-4 | 1758 | 36 | 2.3 | 82 | 5.1 | 96 | 6.0 | 147 | 9.0 |
| | | 5-9 | 922 | 23 | 2.8 | 33 | 4.0 | 50 | 6.0 | 94 | 11.0 |
| | | 10-14 | 525 | 4 | 0.8 | 19 | 3.9 | 37 | 7.6 | 60 | 12.4 |
| | | 15-20 | 293 | 2 | 0.8 | 12 | 4.6 | 16 | 6.2 | 33 | 12.3 |
| | Treatment | Chemotherapy, no radiation | 1344 | 33 | 2.6 | 64 | 5.0 | 73 | 5.7 | 135 | 10.3 |
| | | Radiation, no chemotherapy | 3 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 1834 | 30 | 1.9 | 79 | 5.0 | 116 | 7.3 | 181 | 11.0 |
| | | Unknown | 381 | 5 | 1.5 | 11 | 3.2 | 18 | 5.2 | 28 | 8.1 |
| Females | All cases | | 3053 | 71 | 2.5 | 169 | 6.0 | 229 | 8.1 | 456 | 15.8 |
| | Age at baseline | <18 | 880 | 22 | 2.9 | 44 | 5.7 | 26 | 3.4 | 64 | 8.3 |
| | | 18-19 | 332 | 10 | 3.3 | 19 | 6.3 | 24 | 7.9 | 42 | 13.2 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et al., Ann Intern Med 2005; 143:639-47

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|-----|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | | 20-24 | 830 | 23 | 2.9 | 49 | 6.3 | 81 | 10.4 | 142 | 17.6 |
| | | 25-29 | 596 | 8 | 1.4 | 33 | 5.8 | 57 | 9.9 | 113 | 19.3 |
| | | 30-34 | 302 | 5 | 1.7 | 18 | 6.3 | 31 | 10.9 | 71 | 23.8 |
| | | 35+ | 113 | 3 | 2.8 | 6 | 5.5 | 10 | 9.2 | 24 | 21.6 |
| | Years since diagnosis | 5-9 | 363 | 6 | 2.4 | 8 | 3.3 | 9 | 3.7 | 20 | 8.1 |
| | | 10-14 | 1022 | 19 | 2.0 | 48 | 4.9 | 50 | 5.2 | 126 | 12.8 |
| | | 15-19 | 968 | 25 | 2.7 | 56 | 6.1 | 91 | 9.9 | 168 | 17.6 |
| | | 20+ | 700 | 21 | 3.1 | 57 | 8.3 | 79 | 11.6 | 142 | 20.4 |
| | Age at diagnosis | <1 | 69 | 6 | 9.7 | 9 | 14.5 | 6 | 9.5 | 11 | 17.5 |
| | | 1-4 | 1540 | 45 | 3.1 | 104 | 7.2 | 111 | 7.7 | 190 | 12.9 |
| | | 5-9 | 769 | 9 | 1.3 | 29 | 4.1 | 59 | 8.3 | 114 | 15.6 |
| | | 10-14 | 501 | 8 | 1.8 | 20 | 4.4 | 34 | 7.5 | 98 | 20.9 |
| | | 15-20 | 174 | 3 | 2.0 | 7 | 4.7 | 19 | 12.7 | 43 | 27.7 |
| | Treatment | Chemotherapy, no radiation | 1340 | 24 | 1.9 | 56 | 4.4 | 76 | 5.9 | 169 | 13.1 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 1464 | 37 | 2.8 | 92 | 7.0 | 123 | 9.4 | 230 | 16.9 |
| | | Unknown | 248 | 10 | 4.4 | 21 | 9.2 | 30 | 13.1 | 57 | 24.8 |

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|------------|-----------------------|----------------------------|--------------|---|------|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 927 | 51 | 5.9 | 106 | 12.3 | 104 | 12.1 | 130 | 14.9 |
| | Age at baseline | <18 | 230 | 27 | 13.0 | 36 | 17.6 | 17 | 8.3 | 22 | 10.6 |
| | | 18-19 | 89 | 8 | 9.6 | 19 | 22.9 | 13 | 15.7 | 12 | 14.3 |
| | | 20-24 | 199 | 11 | 6.0 | 31 | 16.9 | 33 | 17.9 | 31 | 16.9 |
| | | 25-29 | 200 | 2 | 1.1 | 10 | 5.3 | 16 | 8.6 | 21 | 10.9 |
| | | 30-34 | 133 | 1 | 0.8 | 6 | 4.6 | 14 | 10.7 | 23 | 17.6 |
| | | 35+ | 76 | 2 | 2.8 | 4 | 5.6 | 11 | 15.7 | 21 | 28.0 |
| | Years since diagnosis | 5-9 | 85 | 3 | 6.1 | 4 | 8.2 | 1 | 2.0 | 6 | 11.5 |
| | | 10-14 | 319 | 18 | 5.9 | 33 | 10.9 | 28 | 9.2 | 39 | 12.6 |
| | | 15-19 | 323 | 20 | 6.4 | 46 | 14.7 | 46 | 14.7 | 47 | 15.0 |
| | | 20+ | 200 | 10 | 5.1 | 23 | 11.7 | 29 | 14.9 | 38 | 19.0 |
| | Age at diagnosis | <1 | 93 | 15 | 16.1 | 19 | 20.4 | 11 | 11.8 | 14 | 15.1 |
| | | 1-4 | 314 | 29 | 9.7 | 60 | 20.3 | 46 | 15.5 | 36 | 12.0 |
| | | 5-9 | 171 | 3 | 1.9 | 14 | 8.8 | 15 | 9.4 | 20 | 12.7 |
| | | 10-14 | 198 | 2 | 1.1 | 8 | 4.4 | 13 | 7.1 | 32 | 17.3 |
| | | 15-20 | 151 | 2 | 1.5 | 5 | 3.8 | 19 | 14.6 | 28 | 20.1 |
| | Treatment | Surgery only | 3 | . | . | . | . | . | . | 1 | 50.0 |
| | | Chemotherapy, no radiation | 557 | 39 | 7.4 | 77 | 14.7 | 65 | 12.3 | 68 | 12.8 |
| | | Chemotherapy and radiation | 295 | 9 | 3.4 | 25 | 9.3 | 29 | 10.9 | 46 | 16.8 |
| | | Unknown | 72 | 3 | 4.5 | 4 | 6.2 | 10 | 15.9 | 15 | 22.4 |
| Males | All cases | | 454 | 28 | 6.7 | 56 | 13.6 | 55 | 13.3 | 47 | 11.1 |
| | Age at baseline | <18 | 125 | 17 | 15.5 | 23 | 21.3 | 13 | 11.9 | 11 | 9.9 |
| | | 18-19 | 45 | 5 | 12.5 | 12 | 30.0 | 7 | 17.5 | 3 | 7.3 |
| | | 20-24 | 95 | 6 | 7.0 | 17 | 20.0 | 22 | 25.6 | 13 | 15.1 |
| | | 25-29 | 90 | . | . | 1 | 1.2 | 3 | 3.5 | 6 | 6.8 |
| | | 30-34 | 64 | . | . | 2 | 3.2 | 6 | 9.5 | 7 | 11.1 |
| | | 35+ | 35 | . | . | 1 | 3.2 | 4 | 12.9 | 7 | 20.6 |
| | Years since diagnosis | 5-9 | 50 | 1 | 4.2 | 2 | 8.3 | 1 | 4.2 | 3 | 12.0 |
| | | 10-14 | 159 | 13 | 8.6 | 20 | 13.3 | 16 | 10.5 | 14 | 9.0 |
| | | 15-19 | 149 | 9 | 6.1 | 23 | 15.9 | 22 | 15.1 | 13 | 8.8 |
| | | 20+ | 96 | 5 | 5.3 | 11 | 11.8 | 16 | 17.2 | 17 | 17.7 |
| | Age at diagnosis | <1 | 40 | 7 | 17.5 | 9 | 22.5 | 7 | 17.5 | 6 | 15.0 |
| | | 1-4 | 171 | 21 | 12.8 | 39 | 24.2 | 30 | 18.4 | 15 | 9.1 |
| | | 5-9 | 79 | . | . | 5 | 7.1 | 7 | 10.0 | 7 | 10.0 |
| | | 10-14 | 81 | . | . | 1 | 1.4 | 2 | 2.7 | 8 | 10.8 |
| | | 15-20 | 83 | . | . | 2 | 2.9 | 9 | 13.0 | 11 | 14.9 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 269 | 23 | 9.1 | 42 | 16.9 | 40 | 15.9 | 25 | 9.8 |
| | | Chemotherapy and radiation | 145 | 5 | 3.9 | 14 | 10.9 | 12 | 9.3 | 18 | 13.6 |
| | | Unknown | 39 | . | . | . | . | 3 | 9.1 | 4 | 11.1 |
| Females | All cases | | 473 | 23 | 5.1 | 50 | 11.2 | 49 | 11.0 | 83 | 18.4 |
| | Age at baseline | <18 | 105 | 10 | 10.3 | 13 | 13.4 | 4 | 4.1 | 11 | 11.3 |
| | | 18-19 | 44 | 3 | 7.0 | 7 | 16.3 | 6 | 14.0 | 9 | 20.9 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|------|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | | 20-24 | 104 | 5 | 5.2 | 14 | 14.3 | 11 | 11.2 | 18 | 18.6 |
| | | 25-29 | 110 | 2 | 2.0 | 9 | 8.8 | 13 | 12.9 | 15 | 14.3 |
| | | 30-34 | 69 | 1 | 1.5 | 4 | 5.9 | 8 | 11.8 | 16 | 23.5 |
| | | 35+ | 41 | 2 | 5.0 | 3 | 7.5 | 7 | 17.9 | 14 | 34.1 |
| | Years since diagnosis | 5-9 | 35 | 2 | 8.0 | 2 | 8.0 | . | . | 3 | 11.1 |
| | | 10-14 | 160 | 5 | 3.3 | 13 | 8.5 | 12 | 7.8 | 25 | 16.2 |
| | | 15-19 | 174 | 11 | 6.6 | 23 | 13.8 | 24 | 14.4 | 34 | 20.5 |
| | | 20+ | 104 | 5 | 4.9 | 12 | 11.7 | 13 | 12.9 | 21 | 20.2 |
| | Age at diagnosis | <1 | 53 | 8 | 15.1 | 10 | 18.9 | 4 | 7.5 | 8 | 15.1 |
| | | 1-4 | 143 | 8 | 6.0 | 21 | 15.7 | 16 | 12.0 | 21 | 15.7 |
| | | 5-9 | 92 | 3 | 3.4 | 9 | 10.1 | 8 | 9.0 | 13 | 14.8 |
| | | 10-14 | 117 | 2 | 1.8 | 7 | 6.3 | 11 | 10.0 | 24 | 21.6 |
| | | 15-20 | 68 | 2 | 3.3 | 3 | 4.9 | 10 | 16.4 | 17 | 26.2 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | 1 | . |
| | | Chemotherapy, no radiation | 288 | 16 | 5.8 | 35 | 12.6 | 25 | 9.0 | 43 | 15.5 |
| | | Chemotherapy and radiation | 150 | 4 | 2.9 | 11 | 7.9 | 17 | 12.3 | 28 | 19.9 |
| | | Unknown | 33 | 3 | 9.7 | 4 | 12.9 | 7 | 23.3 | 11 | 35.5 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|-------------|---|-------------|---|-------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 4490 | 418 | 10.4 | 883 | 22.0 | 917 | 22.8 | 1002 | 24.6 |
| | Age at baseline | <18 | 953 | 122 | 16.1 | 196 | 25.9 | 87 | 11.5 | 186 | 24.6 |
| | | 18-19 | 377 | 31 | 9.4 | 71 | 21.5 | 61 | 18.5 | 62 | 18.4 |
| | | 20-24 | 1179 | 106 | 9.9 | 231 | 21.5 | 248 | 23.1 | 253 | 23.3 |
| | | 25-29 | 1084 | 88 | 8.7 | 227 | 22.5 | 292 | 29.0 | 258 | 25.1 |
| | | 30-34 | 623 | 46 | 7.7 | 104 | 17.5 | 153 | 25.7 | 161 | 26.6 |
| | | 35+ | 274 | 25 | 9.7 | 54 | 20.9 | 76 | 29.3 | 82 | 30.9 |
| | Years since diagnosis | 5-9 | 463 | 31 | 13.7 | 47 | 20.7 | 30 | 13.2 | 49 | 21.1 |
| | | 10-14 | 1540 | 125 | 8.9 | 243 | 17.3 | 232 | 16.5 | 302 | 21.2 |
| | | 15-19 | 1415 | 129 | 9.5 | 311 | 23.1 | 317 | 23.5 | 322 | 23.6 |
| | | 20+ | 1072 | 133 | 12.8 | 282 | 27.1 | 338 | 32.4 | 329 | 31.1 |
| | Age at diagnosis | <1 | 218 | 59 | 29.9 | 78 | 39.6 | 41 | 20.8 | 64 | 32.3 |
| | | 1-4 | 1322 | 156 | 13.0 | 308 | 25.6 | 252 | 20.9 | 315 | 25.9 |
| | | 5-9 | 1405 | 123 | 9.6 | 288 | 22.6 | 306 | 24.0 | 294 | 22.9 |
| | | 10-14 | 1067 | 55 | 5.7 | 157 | 16.3 | 222 | 23.1 | 230 | 23.6 |
| | | 15-20 | 478 | 25 | 6.4 | 52 | 13.5 | 96 | 24.7 | 99 | 24.3 |
| | Treatment | Surgery only | 1272 | 63 | 5.2 | 135 | 11.1 | 163 | 13.4 | 215 | 17.5 |
| | | Chemotherapy, no radiation | 355 | 44 | 13.2 | 70 | 21.1 | 56 | 16.9 | 73 | 21.8 |
| | | Radiation, no chemotherapy | 1171 | 102 | 9.8 | 253 | 24.3 | 262 | 25.2 | 273 | 25.6 |
| | | Chemotherapy and radiation | 1249 | 173 | 16.5 | 343 | 32.9 | 329 | 31.4 | 343 | 32.7 |
| | | Unknown | 443 | 36 | 9.2 | 82 | 20.9 | 107 | 27.4 | 98 | 24.6 |
| Males | All cases | | 2452 | 229 | 10.5 | 454 | 20.9 | 473 | 21.8 | 495 | 22.5 |
| | Age at baseline | <18 | 529 | 73 | 17.5 | 106 | 25.4 | 50 | 11.9 | 99 | 23.7 |
| | | 18-19 | 191 | 15 | 9.1 | 36 | 22.0 | 26 | 16.0 | 28 | 16.6 |
| | | 20-24 | 633 | 59 | 10.5 | 116 | 20.6 | 128 | 22.8 | 123 | 21.5 |
| | | 25-29 | 618 | 42 | 7.3 | 122 | 21.3 | 153 | 26.7 | 131 | 22.5 |
| | | 30-34 | 332 | 26 | 8.3 | 50 | 16.1 | 83 | 26.8 | 79 | 24.8 |
| | | 35+ | 149 | 14 | 10.1 | 24 | 17.3 | 33 | 23.7 | 35 | 24.5 |
| | Years since diagnosis | 5-9 | 263 | 16 | 13.3 | 26 | 21.7 | 15 | 12.5 | 23 | 18.3 |
| | | 10-14 | 832 | 77 | 10.3 | 137 | 18.3 | 128 | 17.1 | 159 | 21.0 |
| | | 15-19 | 772 | 73 | 10.0 | 152 | 20.8 | 167 | 22.9 | 158 | 21.3 |
| | | 20+ | 585 | 63 | 11.1 | 139 | 24.4 | 163 | 28.7 | 155 | 26.9 |
| | Age at diagnosis | <1 | 128 | 34 | 28.8 | 45 | 38.5 | 21 | 17.9 | 39 | 33.1 |
| | | 1-4 | 698 | 84 | 13.3 | 150 | 23.7 | 125 | 19.8 | 155 | 24.3 |
| | | 5-9 | 786 | 71 | 10.1 | 163 | 23.2 | 165 | 23.4 | 149 | 21.0 |
| | | 10-14 | 570 | 27 | 5.3 | 67 | 13.2 | 112 | 22.1 | 104 | 20.3 |
| | | 15-20 | 270 | 13 | 6.2 | 29 | 14.0 | 50 | 24.2 | 48 | 21.5 |
| | Treatment | Surgery only | 649 | 40 | 6.6 | 76 | 12.4 | 86 | 14.1 | 101 | 16.2 |
| | | Chemotherapy, no radiation | 191 | 23 | 12.9 | 38 | 21.5 | 32 | 18.1 | 37 | 20.8 |
| | | Radiation, no chemotherapy | 616 | 46 | 8.6 | 114 | 21.3 | 124 | 23.4 | 120 | 21.9 |
| | | Chemotherapy and radiation | 742 | 103 | 16.4 | 188 | 30.1 | 176 | 28.2 | 181 | 28.9 |
| | | Unknown | 254 | 17 | 7.6 | 38 | 17.2 | 55 | 24.8 | 56 | 24.9 |
| Females | All cases | | 2038 | 189 | 10.2 | 429 | 23.2 | 444 | 23.9 | 507 | 27.0 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|------|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | Age at baseline | <18 | 424 | 49 | 14.4 | 90 | 26.5 | 37 | 10.9 | 87 | 25.7 |
| | | 18-19 | 186 | 16 | 9.6 | 35 | 21.0 | 35 | 21.1 | 34 | 20.2 |
| | | 20-24 | 546 | 47 | 9.2 | 115 | 22.5 | 120 | 23.5 | 130 | 25.1 |
| | | 25-29 | 466 | 46 | 10.5 | 105 | 24.1 | 139 | 32.0 | 127 | 28.7 |
| | | 30-34 | 291 | 20 | 7.0 | 54 | 19.1 | 70 | 24.6 | 82 | 28.6 |
| | | 35+ | 125 | 11 | 9.2 | 30 | 25.2 | 43 | 35.8 | 47 | 38.5 |
| | Years since diagnosis | 5-9 | 200 | 15 | 14.0 | 21 | 19.6 | 15 | 14.0 | 26 | 24.5 |
| | | 10-14 | 708 | 48 | 7.3 | 106 | 16.2 | 104 | 15.9 | 143 | 21.5 |
| | | 15-19 | 643 | 56 | 9.0 | 159 | 25.7 | 150 | 24.2 | 164 | 26.3 |
| | | 20+ | 487 | 70 | 14.8 | 143 | 30.4 | 175 | 36.9 | 174 | 36.1 |
| | Age at diagnosis | <1 | 90 | 25 | 31.6 | 33 | 41.3 | 20 | 25.0 | 25 | 31.3 |
| | | 1-4 | 624 | 72 | 12.6 | 158 | 27.8 | 127 | 22.2 | 160 | 27.8 |
| | | 5-9 | 619 | 52 | 9.1 | 125 | 22.0 | 141 | 24.8 | 145 | 25.3 |
| | | 10-14 | 497 | 28 | 6.1 | 90 | 19.8 | 110 | 24.2 | 126 | 27.2 |
| | | 15-20 | 208 | 12 | 6.6 | 23 | 12.8 | 46 | 25.3 | 51 | 27.6 |
| | Treatment | Surgery only | 623 | 23 | 3.8 | 59 | 9.8 | 77 | 12.8 | 114 | 18.8 |
| | | Chemotherapy, no radiation | 164 | 21 | 13.5 | 32 | 20.8 | 24 | 15.5 | 36 | 22.9 |
| | | Radiation, no chemotherapy | 555 | 56 | 11.0 | 139 | 27.4 | 138 | 27.2 | 153 | 29.7 |
| | | Chemotherapy and radiation | 507 | 70 | 16.5 | 155 | 37.0 | 153 | 36.3 | 162 | 38.2 |
| | | Unknown | 189 | 19 | 11.2 | 44 | 25.7 | 52 | 30.8 | 42 | 24.3 |

CCSS data from Jan2020 data freeze

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|-------------|---|-------------|---|-------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 2688 | 256 | 10.5 | 496 | 20.3 | 525 | 21.5 | 599 | 24.2 |
| | Age at baseline | <18 | 528 | 75 | 17.2 | 102 | 23.6 | 46 | 10.5 | 105 | 24.1 |
| | | 18-19 | 215 | 16 | 8.2 | 43 | 22.2 | 32 | 16.5 | 34 | 17.1 |
| | | 20-24 | 713 | 65 | 9.9 | 127 | 19.4 | 140 | 21.4 | 154 | 23.1 |
| | | 25-29 | 664 | 58 | 9.3 | 130 | 21.0 | 177 | 28.7 | 160 | 25.6 |
| | | 30-34 | 386 | 25 | 6.8 | 61 | 16.6 | 84 | 22.8 | 94 | 25.0 |
| | | 35+ | 182 | 17 | 9.8 | 33 | 19.3 | 46 | 26.7 | 52 | 29.4 |
| | Years since diagnosis | 5-9 | 237 | 18 | 14.3 | 25 | 19.8 | 19 | 15.1 | 24 | 18.6 |
| | | 10-14 | 906 | 80 | 9.6 | 133 | 16.0 | 128 | 15.4 | 175 | 20.8 |
| | | 15-19 | 831 | 72 | 9.0 | 168 | 21.2 | 164 | 20.6 | 187 | 23.3 |
| | | 20+ | 714 | 86 | 12.4 | 170 | 24.7 | 214 | 31.1 | 213 | 30.3 |
| | Age at diagnosis | <1 | 150 | 47 | 35.6 | 60 | 45.5 | 29 | 21.8 | 49 | 36.8 |
| | | 1-4 | 801 | 89 | 12.0 | 159 | 21.6 | 146 | 19.7 | 185 | 24.7 |
| | | 5-9 | 793 | 64 | 8.7 | 144 | 19.6 | 153 | 20.9 | 163 | 22.1 |
| | | 10-14 | 641 | 37 | 6.2 | 102 | 17.2 | 138 | 23.4 | 136 | 22.7 |
| | | 15-20 | 303 | 19 | 7.7 | 31 | 12.8 | 59 | 24.0 | 66 | 25.4 |
| | Treatment | Surgery only | 1047 | 50 | 5.0 | 100 | 10.0 | 124 | 12.4 | 174 | 17.1 |
| | | Chemotherapy, no radiation | 255 | 31 | 13.1 | 51 | 21.7 | 44 | 18.6 | 54 | 22.6 |
| | | Radiation, no chemotherapy | 730 | 77 | 11.9 | 170 | 26.4 | 178 | 27.6 | 182 | 27.6 |
| | | Chemotherapy and radiation | 371 | 71 | 23.4 | 116 | 38.4 | 109 | 36.1 | 122 | 40.3 |
| | | Unknown | 285 | 27 | 10.5 | 59 | 23.0 | 70 | 27.3 | 67 | 25.8 |
| Males | All cases | | 1405 | 134 | 10.7 | 243 | 19.4 | 259 | 20.7 | 281 | 22.0 |
| | Age at baseline | <18 | 279 | 47 | 20.5 | 53 | 23.2 | 27 | 11.7 | 58 | 25.2 |
| | | 18-19 | 109 | 5 | 5.3 | 22 | 23.2 | 13 | 13.7 | 14 | 14.0 |
| | | 20-24 | 354 | 33 | 10.4 | 59 | 18.6 | 66 | 20.8 | 67 | 20.8 |
| | | 25-29 | 371 | 26 | 7.6 | 66 | 19.3 | 90 | 26.5 | 76 | 21.9 |
| | | 30-34 | 195 | 14 | 7.7 | 29 | 16.1 | 45 | 25.0 | 45 | 24.1 |
| | | 35+ | 97 | 9 | 10.0 | 14 | 15.7 | 18 | 20.2 | 21 | 22.8 |
| | Years since diagnosis | 5-9 | 125 | 10 | 15.9 | 13 | 20.6 | 9 | 14.3 | 9 | 13.4 |
| | | 10-14 | 479 | 50 | 11.7 | 79 | 18.5 | 74 | 17.2 | 92 | 21.1 |
| | | 15-19 | 422 | 34 | 8.5 | 71 | 17.9 | 78 | 19.7 | 80 | 19.8 |
| | | 20+ | 379 | 40 | 10.9 | 80 | 21.9 | 98 | 27.0 | 100 | 27.0 |
| | Age at diagnosis | <1 | 86 | 25 | 32.9 | 32 | 42.7 | 15 | 19.7 | 30 | 39.5 |
| | | 1-4 | 403 | 47 | 12.6 | 69 | 18.5 | 64 | 17.2 | 87 | 23.1 |
| | | 5-9 | 421 | 36 | 9.4 | 82 | 21.5 | 80 | 21.1 | 77 | 19.9 |
| | | 10-14 | 328 | 17 | 5.7 | 46 | 15.5 | 70 | 23.7 | 59 | 19.6 |
| | | 15-20 | 167 | 9 | 7.0 | 14 | 11.0 | 30 | 23.4 | 28 | 20.1 |
| | Treatment | Surgery only | 524 | 32 | 6.5 | 57 | 11.6 | 67 | 13.6 | 79 | 15.6 |
| | | Chemotherapy, no radiation | 142 | 15 | 11.5 | 27 | 20.8 | 25 | 19.2 | 27 | 20.6 |
| | | Radiation, no chemotherapy | 370 | 34 | 10.7 | 74 | 23.3 | 80 | 25.2 | 75 | 22.9 |
| | | Chemotherapy and radiation | 211 | 41 | 23.7 | 57 | 33.1 | 52 | 30.2 | 62 | 36.0 |
| | | Unknown | 158 | 12 | 8.5 | 28 | 20.1 | 35 | 25.0 | 38 | 26.6 |
| Females | All cases | | 1283 | 122 | 10.2 | 253 | 21.3 | 266 | 22.3 | 318 | 26.5 |

CCSS data from Jan2020 data freeze

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|--|-----------------------|----------------------------|--------------|---|------|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | Age at baseline | <18 | 249 | 28 | 13.5 | 49 | 23.9 | 19 | 9.2 | 47 | 22.8 |
| | | 18-19 | 106 | 11 | 11.1 | 21 | 21.2 | 19 | 19.2 | 20 | 20.2 |
| | | 20-24 | 359 | 32 | 9.5 | 68 | 20.2 | 74 | 21.9 | 87 | 25.3 |
| | | 25-29 | 293 | 32 | 11.5 | 64 | 23.1 | 87 | 31.5 | 84 | 30.1 |
| | | 30-34 | 191 | 11 | 5.9 | 32 | 17.1 | 39 | 20.7 | 49 | 25.9 |
| | | 35+ | 85 | 8 | 9.6 | 19 | 23.2 | 28 | 33.7 | 31 | 36.5 |
| | Years since diagnosis | 5-9 | 112 | 8 | 12.7 | 12 | 19.0 | 10 | 15.9 | 15 | 24.2 |
| | | 10-14 | 427 | 30 | 7.4 | 54 | 13.4 | 54 | 13.4 | 83 | 20.4 |
| | | 15-19 | 409 | 38 | 9.5 | 97 | 24.4 | 86 | 21.6 | 107 | 26.8 |
| | | 20+ | 335 | 46 | 14.2 | 90 | 27.8 | 116 | 35.6 | 113 | 33.9 |
| | Age at diagnosis | <1 | 64 | 22 | 39.3 | 28 | 49.1 | 14 | 24.6 | 19 | 33.3 |
| | | 1-4 | 398 | 42 | 11.4 | 90 | 24.7 | 82 | 22.3 | 98 | 26.3 |
| | | 5-9 | 372 | 28 | 7.9 | 62 | 17.6 | 73 | 20.7 | 86 | 24.4 |
| | | 10-14 | 313 | 20 | 6.7 | 56 | 18.9 | 68 | 23.0 | 77 | 25.8 |
| | | 15-20 | 136 | 10 | 8.4 | 17 | 14.7 | 29 | 24.6 | 38 | 31.4 |
| | Treatment | Surgery only | 523 | 18 | 3.5 | 43 | 8.4 | 57 | 11.2 | 95 | 18.5 |
| | | Chemotherapy, no radiation | 113 | 16 | 15.1 | 24 | 22.9 | 19 | 17.9 | 27 | 25.0 |
| | | Radiation, no chemotherapy | 360 | 43 | 13.0 | 96 | 29.4 | 98 | 29.9 | 107 | 32.2 |
| | | Chemotherapy and radiation | 160 | 30 | 22.9 | 59 | 45.4 | 57 | 43.8 | 60 | 45.8 |
| | | Unknown | 127 | 15 | 12.9 | 31 | 26.5 | 35 | 30.2 | 29 | 24.8 |

CCSS data from Jan2020 data freeze

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n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|-------------|---|-------------|---|-------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1040 | 105 | 11.5 | 261 | 28.6 | 259 | 28.3 | 250 | 27.3 |
| | Age at baseline | <18 | 246 | 31 | 17.5 | 62 | 35.0 | 27 | 15.3 | 50 | 28.6 |
| | | 18-19 | 83 | 8 | 11.3 | 16 | 22.5 | 16 | 22.9 | 18 | 25.4 |
| | | 20-24 | 291 | 28 | 10.6 | 73 | 27.7 | 84 | 31.8 | 61 | 23.1 |
| | | 25-29 | 252 | 19 | 7.9 | 70 | 29.2 | 73 | 30.2 | 66 | 27.0 |
| | | 30-34 | 131 | 14 | 11.0 | 29 | 23.0 | 44 | 34.6 | 41 | 32.3 |
| | | 35+ | 37 | 5 | 14.3 | 11 | 30.6 | 15 | 41.7 | 14 | 38.9 |
| | Years since diagnosis | 5-9 | 124 | 9 | 18.4 | 16 | 32.7 | 6 | 12.2 | 13 | 27.1 |
| | | 10-14 | 355 | 27 | 8.4 | 68 | 21.1 | 65 | 20.2 | 78 | 24.1 |
| | | 15-19 | 344 | 34 | 10.3 | 92 | 28.1 | 101 | 30.8 | 83 | 25.2 |
| | | 20+ | 217 | 35 | 16.3 | 85 | 39.5 | 87 | 40.3 | 76 | 35.2 |
| | Age at diagnosis | <1 | 28 | 7 | 25.9 | 9 | 33.3 | 7 | 25.9 | 9 | 33.3 |
| | | 1-4 | 298 | 47 | 17.4 | 104 | 38.5 | 76 | 28.4 | 85 | 31.6 |
| | | 5-9 | 422 | 40 | 10.8 | 109 | 29.7 | 113 | 30.6 | 90 | 24.3 |
| | | 10-14 | 230 | 9 | 4.5 | 31 | 15.4 | 51 | 25.2 | 52 | 25.7 |
| | | 15-20 | 62 | 2 | 4.1 | 8 | 16.3 | 12 | 24.5 | 14 | 28.6 |
| | Treatment | Surgery only | 8 | 1 | 12.5 | 3 | 37.5 | 4 | 50.0 | 4 | 50.0 |
| | | Chemotherapy, no radiation | 53 | 6 | 11.8 | 8 | 15.7 | 8 | 15.7 | 11 | 21.6 |
| | | Radiation, no chemotherapy | 208 | 11 | 5.8 | 46 | 24.2 | 43 | 22.8 | 42 | 21.8 |
| | | Chemotherapy and radiation | 692 | 85 | 14.2 | 194 | 32.5 | 185 | 30.9 | 184 | 30.8 |
| | | Unknown | 79 | 2 | 2.9 | 10 | 14.7 | 19 | 27.9 | 9 | 13.2 |
| Males | All cases | | 632 | 67 | 12.1 | 152 | 27.4 | 152 | 27.4 | 142 | 25.6 |
| | Age at baseline | <18 | 147 | 18 | 16.7 | 35 | 32.4 | 16 | 14.8 | 28 | 26.4 |
| | | 18-19 | 47 | 7 | 18.9 | 9 | 24.3 | 8 | 22.2 | 11 | 29.7 |
| | | 20-24 | 185 | 20 | 12.0 | 43 | 25.9 | 52 | 31.3 | 38 | 22.8 |
| | | 25-29 | 157 | 10 | 6.7 | 43 | 28.9 | 41 | 27.3 | 38 | 25.2 |
| | | 30-34 | 73 | 9 | 12.7 | 15 | 21.1 | 25 | 35.2 | 20 | 28.2 |
| | | 35+ | 23 | 3 | 13.6 | 7 | 30.4 | 10 | 43.5 | 7 | 30.4 |
| | Years since diagnosis | 5-9 | 76 | 4 | 13.3 | 10 | 33.3 | 2 | 6.7 | 9 | 31.0 |
| | | 10-14 | 208 | 19 | 10.2 | 37 | 19.9 | 38 | 20.4 | 43 | 23.2 |
| | | 15-19 | 217 | 26 | 12.4 | 53 | 25.5 | 61 | 29.3 | 52 | 24.6 |
| | | 20+ | 131 | 18 | 14.0 | 52 | 40.0 | 51 | 39.2 | 38 | 29.2 |
| | Age at diagnosis | <1 | 16 | 6 | 37.5 | 7 | 43.8 | 4 | 25.0 | 6 | 37.5 |
| | | 1-4 | 180 | 28 | 17.1 | 59 | 36.0 | 48 | 29.4 | 47 | 28.7 |
| | | 5-9 | 267 | 26 | 11.2 | 68 | 29.4 | 65 | 28.0 | 57 | 24.5 |
| | | 10-14 | 132 | 5 | 4.4 | 11 | 9.6 | 26 | 22.8 | 24 | 21.2 |
| | | 15-20 | 37 | 2 | 6.9 | 7 | 24.1 | 9 | 31.0 | 8 | 27.6 |
| | Treatment | Surgery only | 5 | . | . | 2 | 40.0 | 2 | 40.0 | 3 | 60.0 |
| | | Chemotherapy, no radiation | 27 | 5 | 18.5 | 7 | 25.9 | 5 | 18.5 | 6 | 22.2 |
| | | Radiation, no chemotherapy | 115 | 6 | 5.8 | 23 | 22.1 | 23 | 22.1 | 25 | 23.6 |
| | | Chemotherapy and radiation | 437 | 55 | 14.5 | 118 | 31.1 | 113 | 29.8 | 106 | 28.0 |
| | | Unknown | 48 | 1 | 2.6 | 2 | 5.1 | 9 | 23.1 | 2 | 5.1 |
| Females | All cases | | 408 | 38 | 10.5 | 109 | 30.3 | 107 | 29.6 | 108 | 29.8 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|------|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | Age at baseline | <18 | 99 | 13 | 18.8 | 27 | 39.1 | 11 | 16.2 | 22 | 31.9 |
| | | 18-19 | 36 | 1 | 2.9 | 7 | 20.6 | 8 | 23.5 | 7 | 20.6 |
| | | 20-24 | 106 | 8 | 8.2 | 30 | 30.6 | 32 | 32.7 | 23 | 23.7 |
| | | 25-29 | 95 | 9 | 9.8 | 27 | 29.7 | 32 | 34.8 | 28 | 30.1 |
| | | 30-34 | 58 | 5 | 8.9 | 14 | 25.5 | 19 | 33.9 | 21 | 37.5 |
| | | 35+ | 14 | 2 | 15.4 | 4 | 30.8 | 5 | 38.5 | 7 | 53.8 |
| | Years since diagnosis | 5-9 | 48 | 5 | 26.3 | 6 | 31.6 | 4 | 21.1 | 4 | 21.1 |
| | | 10-14 | 147 | 8 | 5.8 | 31 | 22.6 | 27 | 19.9 | 35 | 25.4 |
| | | 15-19 | 127 | 8 | 6.7 | 39 | 32.8 | 40 | 33.3 | 31 | 26.1 |
| | | 20+ | 86 | 17 | 19.8 | 33 | 38.8 | 36 | 41.9 | 38 | 44.2 |
| | Age at diagnosis | <1 | 12 | 1 | 9.1 | 2 | 18.2 | 3 | 27.3 | 3 | 27.3 |
| | | 1-4 | 118 | 19 | 17.9 | 45 | 42.5 | 28 | 26.7 | 38 | 36.2 |
| | | 5-9 | 155 | 14 | 10.2 | 41 | 30.1 | 48 | 35.0 | 33 | 24.1 |
| | | 10-14 | 98 | 4 | 4.5 | 20 | 23.0 | 25 | 28.4 | 28 | 31.5 |
| | | 15-20 | 25 | . | . | 1 | 5.0 | 3 | 15.0 | 6 | 30.0 |
| | Treatment | Surgery only | 3 | 1 | 33.3 | 1 | 33.3 | 2 | 66.7 | 1 | 33.3 |
| | | Chemotherapy, no radiation | 26 | 1 | 4.2 | 1 | 4.2 | 3 | 12.5 | 5 | 20.8 |
| | | Radiation, no chemotherapy | 93 | 5 | 5.8 | 23 | 26.7 | 20 | 23.5 | 17 | 19.5 |
| | | Chemotherapy and radiation | 255 | 30 | 13.6 | 76 | 34.9 | 72 | 32.7 | 78 | 35.6 |
| | | Unknown | 31 | 1 | 3.4 | 8 | 27.6 | 10 | 34.5 | 7 | 24.1 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|------------|---|------------|---|------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 3107 | 32 | 1.2 | 100 | 3.6 | 185 | 6.7 | 501 | 17.5 |
| | Age at baseline | <18 | 61 | 1 | 2.1 | 1 | 2.1 | . | . | 4 | 8.3 |
| | | 18-19 | 62 | 1 | 1.9 | 2 | 3.8 | 2 | 3.8 | 6 | 10.9 |
| | | 20-24 | 376 | 2 | 0.7 | 4 | 1.4 | 12 | 4.1 | 32 | 10.3 |
| | | 25-29 | 798 | 6 | 0.9 | 22 | 3.2 | 39 | 5.7 | 103 | 14.4 |
| | | 30-34 | 949 | 13 | 1.5 | 32 | 3.7 | 69 | 7.9 | 169 | 18.8 |
| | | 35+ | 861 | 9 | 1.1 | 39 | 4.8 | 63 | 7.7 | 187 | 22.4 |
| | Years since diagnosis | 5-9 | 242 | 2 | 1.7 | 2 | 1.7 | 4 | 3.3 | 17 | 12.6 |
| | | 10-14 | 947 | 8 | 0.9 | 25 | 2.9 | 42 | 5.0 | 123 | 14.0 |
| | | 15-19 | 1010 | 14 | 1.5 | 36 | 3.9 | 69 | 7.4 | 180 | 18.6 |
| | | 20+ | 908 | 8 | 0.9 | 37 | 4.2 | 70 | 8.0 | 181 | 20.5 |
| | Age at diagnosis | 1-4 | 84 | 2 | 2.5 | 5 | 6.3 | 5 | 6.3 | 10 | 12.2 |
| | | 5-9 | 421 | 3 | 0.8 | 7 | 1.8 | 26 | 6.6 | 43 | 10.8 |
| | | 10-14 | 1118 | 8 | 0.8 | 35 | 3.5 | 64 | 6.3 | 171 | 16.4 |
| | | 15-20 | 1484 | 19 | 1.5 | 53 | 4.1 | 90 | 7.0 | 277 | 20.7 |
| | Treatment | Surgery only | 2 | . | . | . | . | . | . | 1 | 50.0 |
| | | Chemotherapy, no radiation | 363 | 4 | 1.2 | 9 | 2.7 | 22 | 6.5 | 54 | 15.5 |
| | | Radiation, no chemotherapy | 651 | 3 | 0.5 | 18 | 3.1 | 28 | 4.9 | 106 | 17.2 |
| | | Chemotherapy and radiation | 1759 | 21 | 1.3 | 60 | 3.8 | 112 | 7.1 | 279 | 17.4 |
| | | Unknown | 332 | 4 | 1.4 | 13 | 4.5 | 23 | 8.0 | 61 | 20.7 |
| Males | All cases | | 1631 | 14 | 1.0 | 35 | 2.5 | 82 | 5.7 | 197 | 13.4 |
| | Age at baseline | <18 | 46 | . | . | . | . | . | . | 1 | 2.9 |
| | | 18-19 | 49 | . | . | 1 | 2.3 | 2 | 4.7 | 5 | 11.1 |
| | | 20-24 | 239 | 2 | 1.1 | 4 | 2.1 | 9 | 4.8 | 23 | 11.6 |
| | | 25-29 | 445 | 5 | 1.3 | 8 | 2.1 | 19 | 5.0 | 43 | 10.9 |
| | | 30-34 | 480 | 5 | 1.2 | 12 | 2.8 | 32 | 7.4 | 68 | 15.2 |
| | | 35+ | 372 | 2 | 0.6 | 10 | 2.9 | 20 | 5.7 | 57 | 16.1 |
| | Years since diagnosis | 5-9 | 138 | 2 | 3.2 | 2 | 3.2 | 3 | 4.8 | 8 | 11.3 |
| | | 10-14 | 492 | 4 | 0.9 | 8 | 1.9 | 18 | 4.2 | 55 | 12.3 |
| | | 15-19 | 539 | 6 | 1.2 | 10 | 2.0 | 27 | 5.5 | 64 | 12.6 |
| | | 20+ | 462 | 2 | 0.5 | 15 | 3.4 | 34 | 7.7 | 70 | 15.7 |
| | Age at diagnosis | 1-4 | 63 | 1 | 1.7 | 4 | 6.7 | 5 | 8.5 | 7 | 11.5 |
| | | 5-9 | 305 | 1 | 0.4 | 4 | 1.4 | 20 | 7.1 | 29 | 10.1 |
| | | 10-14 | 579 | 4 | 0.8 | 10 | 1.9 | 23 | 4.4 | 63 | 11.7 |
| | | 15-20 | 684 | 8 | 1.4 | 17 | 3.0 | 34 | 6.0 | 98 | 16.6 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | . | . |
| | | Chemotherapy, no radiation | 186 | 3 | 1.8 | 5 | 3.0 | 12 | 7.1 | 19 | 10.9 |
| | | Radiation, no chemotherapy | 336 | 1 | 0.3 | 9 | 3.0 | 16 | 5.3 | 44 | 13.8 |
| | | Chemotherapy and radiation | 911 | 8 | 1.0 | 16 | 2.0 | 41 | 5.2 | 102 | 12.6 |
| | | Unknown | 197 | 2 | 1.2 | 5 | 3.0 | 13 | 7.7 | 32 | 18.5 |
| Females | All cases | | 1476 | 18 | 1.3 | 65 | 4.8 | 103 | 7.6 | 304 | 21.9 |
| | Age at baseline | <18 | 15 | 1 | 7.7 | 1 | 7.7 | . | . | 3 | 23.1 |
| | | 18-19 | 13 | 1 | 10.0 | 1 | 10.0 | . | . | 1 | 10.0 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

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n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|-----|---|-----|---|-----|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | | 20-24 | 137 | . | . | . | . | 3 | 2.8 | 9 | 7.9 |
| | | 25-29 | 353 | 1 | 0.3 | 14 | 4.5 | 20 | 6.4 | 60 | 18.7 |
| | | 30-34 | 469 | 8 | 1.8 | 20 | 4.6 | 37 | 8.5 | 101 | 22.3 |
| | | 35+ | 489 | 7 | 1.5 | 29 | 6.2 | 43 | 9.1 | 130 | 27.1 |
| | Years since diagnosis | 5-9 | 104 | . | . | . | . | 1 | 1.7 | 9 | 14.1 |
| | | 10-14 | 455 | 4 | 1.0 | 17 | 4.1 | 24 | 5.7 | 68 | 15.8 |
| | | 15-19 | 471 | 8 | 1.8 | 26 | 5.9 | 42 | 9.5 | 116 | 25.3 |
| | | 20+ | 446 | 6 | 1.4 | 22 | 5.1 | 36 | 8.4 | 111 | 25.5 |
| | Age at diagnosis | 1-4 | 21 | 1 | 5.0 | 1 | 5.0 | . | . | 3 | 14.3 |
| | | 5-9 | 116 | 2 | 1.8 | 3 | 2.7 | 6 | 5.4 | 14 | 12.4 |
| | | 10-14 | 539 | 4 | 0.8 | 25 | 5.1 | 41 | 8.4 | 108 | 21.4 |
| | | 15-20 | 800 | 11 | 1.5 | 36 | 5.0 | 56 | 7.7 | 179 | 23.8 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | 1 | . |
| | | Chemotherapy, no radiation | 177 | 1 | 0.6 | 4 | 2.4 | 10 | 5.9 | 35 | 20.2 |
| | | Radiation, no chemotherapy | 315 | 2 | 0.7 | 9 | 3.3 | 12 | 4.4 | 62 | 20.7 |
| | | Chemotherapy and radiation | 848 | 13 | 1.7 | 44 | 5.6 | 71 | 9.0 | 177 | 22.3 |
| | | Unknown | 135 | 2 | 1.7 | 8 | 6.7 | 10 | 8.4 | 29 | 24.0 |

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|-------------------|------------------------------|----------------------------|--------------|---|------------|---|------------|---|------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 2114 | 31 | 1.6 | 86 | 4.3 | 158 | 7.9 | 289 | 14.3 |
| | Age at baseline | <18 | 212 | 4 | 2.1 | 11 | 5.8 | 8 | 4.3 | 19 | 10.0 |
| | | 18-19 | 132 | . | . | 4 | 3.4 | 4 | 3.4 | 13 | 10.8 |
| | | 20-24 | 469 | 6 | 1.4 | 17 | 3.9 | 33 | 7.5 | 45 | 10.1 |
| | | 25-29 | 569 | 9 | 1.7 | 24 | 4.4 | 47 | 8.7 | 78 | 14.2 |
| | | 30-34 | 483 | 8 | 1.7 | 20 | 4.2 | 49 | 10.4 | 81 | 17.0 |
| | | 35+ | 249 | 4 | 1.7 | 10 | 4.1 | 17 | 7.0 | 53 | 21.6 |
| | Years since diagnosis | 5-9 | 144 | 2 | 2.1 | 3 | 3.2 | 5 | 5.4 | 7 | 7.1 |
| | | 10-14 | 672 | 5 | 0.8 | 22 | 3.4 | 38 | 5.9 | 75 | 11.6 |
| | | 15-19 | 730 | 14 | 2.0 | 36 | 5.1 | 69 | 9.7 | 102 | 14.2 |
| | | 20+ | 568 | 10 | 1.8 | 25 | 4.5 | 46 | 8.2 | 105 | 18.7 |
| | Age at diagnosis | <1 | 15 | . | . | 1 | 7.1 | 1 | 7.1 | 1 | 7.1 |
| | | 1-4 | 344 | 9 | 2.7 | 21 | 6.2 | 17 | 5.1 | 38 | 11.3 |
| | | 5-9 | 647 | 7 | 1.1 | 21 | 3.4 | 43 | 7.0 | 77 | 12.4 |
| | | 10-14 | 674 | 7 | 1.1 | 26 | 4.1 | 59 | 9.3 | 104 | 16.2 |
| | | 15-20 | 434 | 8 | 2.0 | 17 | 4.2 | 38 | 9.4 | 69 | 16.9 |
| | Treatment | Surgery only | 16 | . | . | 2 | 14.3 | 2 | 14.3 | 3 | 21.4 |
| | | Chemotherapy, no radiation | 1075 | 15 | 1.4 | 40 | 3.8 | 78 | 7.5 | 146 | 14.0 |
| | | Radiation, no chemotherapy | 38 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 766 | 10 | 1.4 | 33 | 4.7 | 62 | 8.8 | 109 | 15.2 |
| | | Unknown | 219 | 6 | 2.9 | 11 | 5.2 | 16 | 7.5 | 31 | 14.6 |
| Males | All cases | | 1436 | 19 | 1.4 | 44 | 3.2 | 101 | 7.4 | 168 | 12.2 |
| | Age at baseline | <18 | 146 | 3 | 2.3 | 5 | 3.8 | 5 | 3.9 | 10 | 7.7 |
| | | 18-19 | 97 | . | . | 2 | 2.3 | 2 | 2.3 | 9 | 10.0 |
| | | 20-24 | 304 | 4 | 1.4 | 10 | 3.5 | 19 | 6.7 | 21 | 7.3 |
| | | 25-29 | 405 | 6 | 1.6 | 15 | 3.9 | 32 | 8.3 | 47 | 12.1 |
| | | 30-34 | 319 | 5 | 1.6 | 11 | 3.6 | 35 | 11.4 | 52 | 16.7 |
| | | 35+ | 165 | 1 | 0.6 | 1 | 0.6 | 8 | 4.9 | 29 | 17.8 |
| | Years since diagnosis | 5-9 | 109 | 1 | 1.3 | 2 | 2.6 | 3 | 3.9 | 6 | 7.6 |
| | | 10-14 | 457 | 3 | 0.7 | 9 | 2.1 | 24 | 5.6 | 39 | 8.9 |
| | | 15-19 | 480 | 10 | 2.1 | 22 | 4.7 | 44 | 9.4 | 59 | 12.5 |
| | | 20+ | 390 | 5 | 1.3 | 11 | 2.9 | 30 | 7.9 | 64 | 16.6 |
| | Age at diagnosis | <1 | 5 | . | . | . | . | . | . | . | . |
| | | 1-4 | 232 | 6 | 2.7 | 10 | 4.4 | 9 | 4.0 | 21 | 9.3 |
| | | 5-9 | 451 | 6 | 1.4 | 15 | 3.5 | 29 | 6.8 | 48 | 11.1 |
| | | 10-14 | 463 | 5 | 1.1 | 14 | 3.2 | 40 | 9.1 | 58 | 13.1 |
| | | 15-20 | 285 | 2 | 0.8 | 5 | 1.9 | 23 | 8.8 | 41 | 15.5 |
| | Treatment | Surgery only | 13 | . | . | 1 | 9.1 | 2 | 18.2 | 3 | 27.3 |
| | | Chemotherapy, no radiation | 727 | 11 | 1.6 | 22 | 3.1 | 50 | 7.2 | 85 | 12.1 |
| | | Radiation, no chemotherapy | 28 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 511 | 4 | 0.9 | 14 | 3.0 | 37 | 7.9 | 60 | 12.5 |
| | | Unknown | 157 | 4 | 2.6 | 7 | 4.6 | 12 | 7.8 | 20 | 13.1 |
| Females | All cases | | 678 | 12 | 1.9 | 42 | 6.5 | 57 | 8.8 | 121 | 18.6 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

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|--|-----------------------|----------------------------|--------------|---|-----|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | Age at baseline | <18 | 66 | 1 | 1.7 | 6 | 10.0 | 3 | 5.0 | 9 | 15.0 |
| | | 18-19 | 35 | . | . | 2 | 6.7 | 2 | 6.7 | 4 | 13.3 |
| | | 20-24 | 165 | 2 | 1.3 | 7 | 4.6 | 14 | 9.2 | 24 | 15.3 |
| | | 25-29 | 164 | 3 | 1.9 | 9 | 5.8 | 15 | 9.6 | 31 | 19.6 |
| | | 30-34 | 164 | 3 | 1.8 | 9 | 5.5 | 14 | 8.5 | 29 | 17.7 |
| | | 35+ | 84 | 3 | 3.8 | 9 | 11.1 | 9 | 11.1 | 24 | 29.3 |
| | Years since diagnosis | 5-9 | 35 | 1 | 5.9 | 1 | 5.9 | 2 | 11.8 | 1 | 5.3 |
| | | 10-14 | 215 | 2 | 1.0 | 13 | 6.2 | 14 | 6.7 | 36 | 17.1 |
| | | 15-19 | 250 | 4 | 1.7 | 14 | 5.8 | 25 | 10.3 | 43 | 17.6 |
| | | 20+ | 178 | 5 | 2.9 | 14 | 8.0 | 16 | 9.1 | 41 | 23.2 |
| | Age at diagnosis | <1 | 10 | . | . | 1 | 10.0 | 1 | 10.0 | 1 | 10.0 |
| | | 1-4 | 112 | 3 | 2.7 | 11 | 9.9 | 8 | 7.3 | 17 | 15.3 |
| | | 5-9 | 196 | 1 | 0.5 | 6 | 3.3 | 14 | 7.5 | 29 | 15.4 |
| | | 10-14 | 211 | 2 | 1.0 | 12 | 6.1 | 19 | 9.6 | 46 | 23.1 |
| | | 15-20 | 149 | 6 | 4.3 | 12 | 8.5 | 15 | 10.6 | 28 | 19.6 |
| | Treatment | Surgery only | 3 | . | . | 1 | 33.3 | . | . | . | . |
| | | Chemotherapy, no radiation | 348 | 4 | 1.2 | 18 | 5.3 | 28 | 8.2 | 61 | 17.9 |
| | | Radiation, no chemotherapy | 10 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 255 | 6 | 2.6 | 19 | 8.1 | 25 | 10.7 | 49 | 20.5 |
| | | Unknown | 62 | 2 | 3.4 | 4 | 6.8 | 4 | 6.8 | 11 | 18.6 |

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|-------------------|------------------------------|----------------------------|--------------|---|------------|---|------------|---|------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 2274 | 22 | 1.0 | 54 | 2.5 | 101 | 4.6 | 252 | 11.4 |
| | Age at baseline | <18 | 833 | 14 | 1.8 | 22 | 2.8 | 23 | 2.9 | 65 | 8.2 |
| | | 18-19 | 306 | 3 | 1.0 | 8 | 2.7 | 14 | 4.7 | 37 | 12.3 |
| | | 20-24 | 669 | 2 | 0.3 | 11 | 1.7 | 37 | 5.7 | 73 | 11.2 |
| | | 25-29 | 374 | 3 | 0.8 | 12 | 3.3 | 24 | 6.6 | 64 | 17.5 |
| | | 30-34 | 74 | . | . | 1 | 1.4 | 2 | 2.7 | 12 | 16.2 |
| | | 35+ | 18 | . | . | . | . | 1 | 5.9 | 1 | 5.6 |
| | Years since diagnosis | 5-9 | 176 | 1 | 0.7 | 2 | 1.4 | 4 | 2.8 | 13 | 9.2 |
| | | 10-14 | 740 | 13 | 1.8 | 24 | 3.3 | 26 | 3.6 | 64 | 8.8 |
| | | 15-19 | 760 | 4 | 0.5 | 13 | 1.8 | 32 | 4.3 | 76 | 10.2 |
| | | 20+ | 598 | 4 | 0.7 | 15 | 2.6 | 39 | 6.6 | 99 | 16.7 |
| | Age at diagnosis | <1 | 330 | 4 | 1.3 | 8 | 2.5 | 12 | 3.8 | 34 | 10.6 |
| | | 1-4 | 1395 | 14 | 1.0 | 30 | 2.2 | 61 | 4.5 | 150 | 11.0 |
| | | 5-9 | 468 | 4 | 0.9 | 14 | 3.2 | 24 | 5.4 | 57 | 12.8 |
| | | 10-14 | 58 | . | . | 1 | 1.9 | 2 | 3.7 | 9 | 16.7 |
| | | 15-20 | 23 | . | . | 1 | 5.6 | 2 | 11.1 | 2 | 10.5 |
| | Treatment | Surgery only | 34 | 1 | 3.0 | 1 | 3.0 | 1 | 3.0 | 3 | 8.8 |
| | | Chemotherapy, no radiation | 869 | 10 | 1.2 | 23 | 2.7 | 26 | 3.1 | 74 | 8.6 |
| | | Radiation, no chemotherapy | 4 | . | . | . | . | . | . | 1 | 25.0 |
| | | Chemotherapy and radiation | 1153 | 11 | 1.0 | 25 | 2.3 | 60 | 5.5 | 147 | 13.3 |
| | | Unknown | 214 | . | . | 5 | 2.4 | 14 | 6.8 | 27 | 13.0 |
| Males | All cases | | 1020 | 12 | 1.2 | 25 | 2.5 | 45 | 4.6 | 93 | 9.4 |
| | Age at baseline | <18 | 404 | 8 | 2.1 | 9 | 2.3 | 8 | 2.1 | 29 | 7.5 |
| | | 18-19 | 127 | 2 | 1.6 | 5 | 4.0 | 6 | 4.8 | 12 | 9.5 |
| | | 20-24 | 285 | 1 | 0.4 | 5 | 1.8 | 22 | 8.0 | 29 | 10.4 |
| | | 25-29 | 166 | 1 | 0.6 | 5 | 3.1 | 8 | 5.0 | 18 | 11.2 |
| | | 30-34 | 30 | . | . | 1 | 3.3 | 1 | 3.3 | 5 | 16.7 |
| | | 35+ | 8 | . | . | . | . | . | . | . | . |
| | Years since diagnosis | 5-9 | 79 | 1 | 1.6 | 1 | 1.6 | 1 | 1.6 | 6 | 9.8 |
| | | 10-14 | 334 | 6 | 1.8 | 8 | 2.5 | 10 | 3.1 | 26 | 8.0 |
| | | 15-19 | 336 | 4 | 1.2 | 7 | 2.1 | 16 | 4.9 | 28 | 8.4 |
| | | 20+ | 271 | 1 | 0.4 | 9 | 3.4 | 18 | 6.8 | 33 | 12.3 |
| | Age at diagnosis | <1 | 168 | 3 | 1.8 | 5 | 3.0 | 6 | 3.7 | 13 | 7.9 |
| | | 1-4 | 629 | 7 | 1.1 | 13 | 2.1 | 24 | 3.9 | 53 | 8.6 |
| | | 5-9 | 193 | 2 | 1.1 | 7 | 3.9 | 15 | 8.4 | 24 | 13.3 |
| | | 10-14 | 21 | . | . | . | . | . | . | 2 | 11.1 |
| | | 15-20 | 9 | . | . | . | . | . | . | 1 | 14.3 |
| | Treatment | Surgery only | 18 | 1 | 5.6 | 1 | 5.6 | 1 | 5.6 | 1 | 5.6 |
| | | Chemotherapy, no radiation | 395 | 6 | 1.6 | 12 | 3.1 | 9 | 2.3 | 23 | 5.9 |
| | | Chemotherapy and radiation | 499 | 5 | 1.1 | 10 | 2.1 | 29 | 6.1 | 54 | 11.3 |
| | | Unknown | 108 | . | . | 2 | 1.9 | 6 | 5.9 | 15 | 14.6 |
| Females | All cases | | 1254 | 10 | 0.8 | 29 | 2.4 | 56 | 4.6 | 159 | 13.1 |
| | Age at baseline | <18 | 429 | 6 | 1.5 | 13 | 3.2 | 15 | 3.7 | 36 | 8.8 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|-----|---|-----|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | | 18-19 | 179 | 1 | 0.6 | 3 | 1.7 | 8 | 4.5 | 25 | 14.2 |
| | | 20-24 | 384 | 1 | 0.3 | 6 | 1.6 | 15 | 4.1 | 44 | 11.8 |
| | | 25-29 | 208 | 2 | 1.0 | 7 | 3.4 | 16 | 7.8 | 46 | 22.5 |
| | | 30-34 | 44 | . | . | . | . | 1 | 2.3 | 7 | 15.9 |
| | | 35+ | 10 | . | . | . | . | 1 | 11.1 | 1 | 10.0 |
| | Years since diagnosis | 5-9 | 97 | . | . | 1 | 1.2 | 3 | 3.7 | 7 | 8.6 |
| | | 10-14 | 406 | 7 | 1.8 | 16 | 4.0 | 16 | 4.0 | 38 | 9.5 |
| | | 15-19 | 424 | . | . | 6 | 1.5 | 16 | 3.9 | 48 | 11.6 |
| | | 20+ | 327 | 3 | 0.9 | 6 | 1.9 | 21 | 6.5 | 66 | 20.4 |
| | Age at diagnosis | <1 | 162 | 1 | 0.6 | 3 | 1.9 | 6 | 3.8 | 21 | 13.4 |
| | | 1-4 | 766 | 7 | 0.9 | 17 | 2.3 | 37 | 5.0 | 97 | 13.0 |
| | | 5-9 | 275 | 2 | 0.8 | 7 | 2.6 | 9 | 3.4 | 33 | 12.4 |
| | | 10-14 | 37 | . | . | 1 | 2.8 | 2 | 5.6 | 7 | 19.4 |
| | | 15-20 | 14 | . | . | 1 | 9.1 | 2 | 18.2 | 1 | 8.3 |
| | Treatment | Surgery only | 16 | . | . | . | . | . | . | 2 | 12.5 |
| | | Chemotherapy, no radiation | 474 | 4 | 0.9 | 11 | 2.4 | 17 | 3.7 | 51 | 10.9 |
| | | Radiation, no chemotherapy | 4 | . | . | . | . | . | . | 1 | 25.0 |
| | | Chemotherapy and radiation | 654 | 6 | 1.0 | 15 | 2.4 | 31 | 5.0 | 93 | 14.9 |
| | | Unknown | 106 | . | . | 3 | 2.9 | 8 | 7.7 | 12 | 11.5 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et al., Ann Intern Med 2005; 143:639-47

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n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|------------|---|------------|---|------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1947 | 57 | 3.1 | 111 | 6.1 | 116 | 6.4 | 276 | 14.9 |
| | Age at baseline | <18 | 956 | 35 | 4.0 | 58 | 6.6 | 32 | 3.7 | 106 | 12.0 |
| | | 18-19 | 237 | 7 | 3.1 | 17 | 7.5 | 16 | 7.0 | 32 | 13.8 |
| | | 20-24 | 540 | 11 | 2.1 | 24 | 4.7 | 51 | 10.0 | 99 | 18.8 |
| | | 25-29 | 170 | 2 | 1.2 | 10 | 6.1 | 14 | 8.7 | 29 | 17.4 |
| | | 30-34 | 36 | . | . | . | . | 1 | 2.9 | 7 | 19.4 |
| | | 35+ | 8 | 2 | 25.0 | 2 | 25.0 | 2 | 25.0 | 3 | 37.5 |
| | Years since diagnosis | 5-9 | 160 | 4 | 4.4 | 8 | 8.9 | 3 | 3.3 | 14 | 15.6 |
| | | 10-14 | 609 | 23 | 3.9 | 38 | 6.5 | 25 | 4.3 | 78 | 13.2 |
| | | 15-19 | 640 | 21 | 3.4 | 41 | 6.6 | 42 | 6.7 | 89 | 14.1 |
| | | 20+ | 538 | 9 | 1.7 | 24 | 4.6 | 46 | 8.8 | 95 | 17.7 |
| | Age at diagnosis | <1 | 989 | 31 | 3.2 | 52 | 5.4 | 44 | 4.5 | 131 | 13.4 |
| | | 1-4 | 760 | 22 | 3.1 | 53 | 7.5 | 58 | 8.3 | 117 | 16.3 |
| | | 5-9 | 149 | 1 | 0.9 | 1 | 0.9 | 8 | 7.1 | 17 | 14.8 |
| | | 10-14 | 30 | 1 | 4.2 | 3 | 12.5 | 3 | 13.0 | 5 | 20.0 |
| | | 15-20 | 19 | 2 | 16.7 | 2 | 16.7 | 3 | 25.0 | 6 | 46.2 |
| | Treatment | Surgery only | 545 | 11 | 2.1 | 21 | 3.9 | 19 | 3.6 | 54 | 10.0 |
| | | Chemotherapy, no radiation | 559 | 20 | 3.7 | 38 | 7.0 | 29 | 5.3 | 72 | 13.1 |
| | | Radiation, no chemotherapy | 138 | 2 | 1.6 | 6 | 4.7 | 15 | 11.9 | 23 | 16.9 |
| | | Chemotherapy and radiation | 531 | 20 | 4.4 | 40 | 8.8 | 44 | 9.7 | 100 | 21.6 |
| | | Unknown | 174 | 4 | 2.5 | 6 | 3.7 | 9 | 5.5 | 27 | 16.6 |
| Males | All cases | | 949 | 22 | 2.5 | 47 | 5.3 | 54 | 6.2 | 117 | 13.1 |
| | Age at baseline | <18 | 478 | 13 | 3.0 | 22 | 5.0 | 13 | 3.0 | 51 | 11.6 |
| | | 18-19 | 104 | 3 | 3.0 | 8 | 8.0 | 8 | 8.0 | 12 | 11.9 |
| | | 20-24 | 272 | 4 | 1.6 | 12 | 4.7 | 23 | 9.1 | 39 | 14.9 |
| | | 25-29 | 78 | 1 | 1.4 | 4 | 5.5 | 8 | 11.1 | 11 | 14.5 |
| | | 30-34 | 14 | . | . | . | . | 1 | 7.7 | 3 | 21.4 |
| | | 35+ | 3 | 1 | 33.3 | 1 | 33.3 | 1 | 33.3 | 1 | 33.3 |
| | Years since diagnosis | 5-9 | 75 | 2 | 5.0 | 3 | 7.5 | 1 | 2.5 | 7 | 17.5 |
| | | 10-14 | 303 | 8 | 2.7 | 13 | 4.5 | 12 | 4.2 | 38 | 13.0 |
| | | 15-19 | 308 | 8 | 2.7 | 18 | 6.1 | 19 | 6.4 | 33 | 10.9 |
| | | 20+ | 263 | 4 | 1.6 | 13 | 5.2 | 22 | 8.7 | 39 | 14.9 |
| | Age at diagnosis | <1 | 514 | 13 | 2.6 | 28 | 5.6 | 18 | 3.6 | 65 | 12.8 |
| | | 1-4 | 342 | 8 | 2.5 | 18 | 5.8 | 28 | 9.0 | 40 | 12.5 |
| | | 5-9 | 74 | . | . | . | . | 5 | 10.0 | 8 | 15.1 |
| | | 10-14 | 13 | . | . | . | . | 1 | 12.5 | 2 | 20.0 |
| | | 15-20 | 6 | 1 | 25.0 | 1 | 25.0 | 2 | 50.0 | 2 | 50.0 |
| | Treatment | Surgery only | 261 | 6 | 2.3 | 12 | 4.7 | 10 | 3.9 | 25 | 9.7 |
| | | Chemotherapy, no radiation | 277 | 7 | 2.6 | 17 | 6.3 | 12 | 4.5 | 29 | 10.7 |
| | | Radiation, no chemotherapy | 62 | . | . | 2 | 3.6 | 7 | 12.7 | 12 | 19.4 |
| | | Chemotherapy and radiation | 259 | 8 | 3.7 | 14 | 6.5 | 18 | 8.3 | 35 | 15.8 |
| | | Unknown | 90 | 1 | 1.2 | 2 | 2.4 | 7 | 8.3 | 16 | 19.0 |
| Females | All cases | | 998 | 35 | 3.7 | 64 | 6.8 | 62 | 6.6 | 159 | 16.7 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|------|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | Age at baseline | <18 | 478 | 22 | 5.0 | 36 | 8.2 | 19 | 4.3 | 55 | 12.5 |
| | | 18-19 | 133 | 4 | 3.1 | 9 | 7.0 | 8 | 6.2 | 20 | 15.3 |
| | | 20-24 | 268 | 7 | 2.7 | 12 | 4.6 | 28 | 10.8 | 60 | 22.7 |
| | | 25-29 | 92 | 1 | 1.1 | 6 | 6.7 | 6 | 6.7 | 18 | 19.8 |
| | | 30-34 | 22 | . | . | . | . | . | . | 4 | 18.2 |
| | | 35+ | 5 | 1 | 20.0 | 1 | 20.0 | 1 | 20.0 | 2 | 40.0 |
| | Years since diagnosis | 5-9 | 85 | 2 | 4.0 | 5 | 10.0 | 2 | 4.0 | 7 | 14.0 |
| | | 10-14 | 306 | 15 | 5.1 | 25 | 8.4 | 13 | 4.4 | 40 | 13.5 |
| | | 15-19 | 332 | 13 | 4.0 | 23 | 7.1 | 23 | 7.0 | 56 | 16.9 |
| | | 20+ | 275 | 5 | 1.8 | 11 | 4.0 | 24 | 8.9 | 56 | 20.4 |
| | Age at diagnosis | <1 | 475 | 18 | 3.8 | 24 | 5.1 | 26 | 5.6 | 66 | 14.0 |
| | | 1-4 | 418 | 14 | 3.6 | 35 | 9.0 | 30 | 7.7 | 77 | 19.4 |
| | | 5-9 | 75 | 1 | 1.6 | 1 | 1.6 | 3 | 4.8 | 9 | 14.5 |
| | | 10-14 | 17 | 1 | 6.7 | 3 | 20.0 | 2 | 13.3 | 3 | 20.0 |
| | | 15-20 | 13 | 1 | 12.5 | 1 | 12.5 | 1 | 12.5 | 4 | 44.4 |
| | Treatment | Surgery only | 284 | 5 | 1.8 | 9 | 3.2 | 9 | 3.2 | 29 | 10.4 |
| | | Chemotherapy, no radiation | 282 | 13 | 4.7 | 21 | 7.6 | 17 | 6.2 | 43 | 15.5 |
| | | Radiation, no chemotherapy | 76 | 2 | 2.8 | 4 | 5.6 | 8 | 11.3 | 11 | 14.9 |
| | | Chemotherapy and radiation | 272 | 12 | 5.0 | 26 | 10.9 | 26 | 11.0 | 65 | 26.9 |
| | | Unknown | 84 | 3 | 3.8 | 4 | 5.1 | 2 | 2.5 | 11 | 13.9 |

CCSS data from Jan2020 data freeze

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|------------|---|------------|---|------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1756 | 36 | 2.2 | 95 | 5.9 | 133 | 8.3 | 279 | 17.2 |
| | Age at baseline | <18 | 341 | 15 | 5.0 | 19 | 6.4 | 13 | 4.4 | 41 | 13.7 |
| | | 18-19 | 125 | 2 | 1.8 | 13 | 11.5 | 9 | 8.0 | 18 | 15.8 |
| | | 20-24 | 425 | 3 | 0.8 | 16 | 4.3 | 34 | 9.2 | 68 | 17.9 |
| | | 25-29 | 392 | 9 | 2.5 | 22 | 6.1 | 38 | 10.4 | 58 | 15.5 |
| | | 30-34 | 297 | 5 | 1.8 | 14 | 5.0 | 21 | 7.5 | 56 | 19.6 |
| | | 35+ | 176 | 2 | 1.2 | 11 | 6.5 | 18 | 10.5 | 38 | 22.0 |
| | Years since diagnosis | 5-9 | 182 | 5 | 4.5 | 3 | 2.7 | 4 | 3.6 | 12 | 10.5 |
| | | 10-14 | 521 | 14 | 2.9 | 33 | 6.9 | 31 | 6.5 | 75 | 15.4 |
| | | 15-19 | 540 | 8 | 1.6 | 22 | 4.3 | 37 | 7.2 | 92 | 17.7 |
| | | 20+ | 513 | 9 | 1.8 | 37 | 7.4 | 61 | 12.2 | 100 | 19.8 |
| | Age at diagnosis | <1 | 124 | 7 | 5.8 | 10 | 8.3 | 7 | 5.8 | 18 | 14.8 |
| | | 1-4 | 560 | 14 | 2.7 | 39 | 7.5 | 49 | 9.5 | 95 | 18.1 |
| | | 5-9 | 397 | 6 | 1.6 | 17 | 4.6 | 31 | 8.5 | 61 | 16.4 |
| | | 10-14 | 346 | 3 | 1.0 | 15 | 4.9 | 22 | 7.1 | 44 | 14.0 |
| | | 15-20 | 329 | 6 | 2.1 | 14 | 4.9 | 24 | 8.4 | 61 | 20.8 |
| | Treatment | Surgery only | 171 | 3 | 1.9 | 8 | 5.0 | 9 | 5.7 | 28 | 17.0 |
| | | Chemotherapy, no radiation | 359 | 10 | 2.9 | 17 | 5.0 | 12 | 3.5 | 53 | 15.5 |
| | | Radiation, no chemotherapy | 63 | 3 | 5.5 | 1 | 1.8 | 2 | 3.6 | 9 | 15.5 |
| | | Chemotherapy and radiation | 971 | 15 | 1.7 | 58 | 6.7 | 93 | 10.7 | 156 | 17.6 |
| | | Unknown | 192 | 5 | 2.9 | 11 | 6.4 | 17 | 9.9 | 33 | 18.9 |
| Males | All cases | | 949 | 19 | 2.2 | 48 | 5.6 | 69 | 8.0 | 126 | 14.4 |
| | Age at baseline | <18 | 192 | 9 | 5.6 | 7 | 4.3 | 5 | 3.1 | 20 | 12.2 |
| | | 18-19 | 66 | 2 | 3.3 | 9 | 15.0 | 5 | 8.3 | 10 | 16.4 |
| | | 20-24 | 242 | 1 | 0.5 | 9 | 4.2 | 22 | 10.4 | 39 | 17.9 |
| | | 25-29 | 207 | 5 | 2.6 | 14 | 7.3 | 19 | 9.7 | 20 | 10.2 |
| | | 30-34 | 158 | 2 | 1.3 | 8 | 5.4 | 12 | 8.1 | 22 | 14.6 |
| | | 35+ | 84 | . | . | 1 | 1.2 | 6 | 7.3 | 15 | 17.9 |
| | Years since diagnosis | 5-9 | 100 | 4 | 7.3 | 2 | 3.6 | 2 | 3.6 | 8 | 13.6 |
| | | 10-14 | 288 | 6 | 2.3 | 15 | 5.7 | 16 | 6.1 | 39 | 14.6 |
| | | 15-19 | 281 | 5 | 1.9 | 13 | 4.9 | 20 | 7.5 | 37 | 13.7 |
| | | 20+ | 280 | 4 | 1.5 | 18 | 6.6 | 31 | 11.3 | 42 | 15.2 |
| | Age at diagnosis | <1 | 52 | 3 | 5.9 | 2 | 3.9 | 1 | 2.0 | 6 | 11.5 |
| | | 1-4 | 330 | 9 | 3.0 | 22 | 7.3 | 30 | 9.9 | 51 | 16.7 |
| | | 5-9 | 224 | 4 | 2.0 | 12 | 5.9 | 14 | 6.9 | 26 | 12.6 |
| | | 10-14 | 186 | 2 | 1.2 | 9 | 5.4 | 15 | 9.0 | 20 | 11.7 |
| | | 15-20 | 157 | 1 | 0.7 | 3 | 2.2 | 9 | 6.7 | 23 | 16.5 |
| | Treatment | Surgery only | 74 | 1 | 1.5 | 1 | 1.5 | 2 | 3.0 | 7 | 9.7 |
| | | Chemotherapy, no radiation | 211 | 4 | 2.0 | 5 | 2.5 | 5 | 2.5 | 24 | 11.8 |
| | | Radiation, no chemotherapy | 32 | 2 | 6.9 | . | . | 1 | 3.4 | 4 | 13.3 |
| | | Chemotherapy and radiation | 521 | 9 | 1.9 | 36 | 7.8 | 53 | 11.4 | 75 | 16.0 |
| | | Unknown | 111 | 3 | 3.1 | 6 | 6.2 | 8 | 8.2 | 16 | 16.0 |
| Females | All cases | | 807 | 17 | 2.3 | 47 | 6.4 | 64 | 8.7 | 153 | 20.4 |

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|-----|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | Age at baseline | <18 | 149 | 6 | 4.4 | 12 | 8.8 | 8 | 5.8 | 21 | 15.4 |
| | | 18-19 | 59 | . | . | 4 | 7.5 | 4 | 7.5 | 8 | 15.1 |
| | | 20-24 | 183 | 2 | 1.3 | 7 | 4.4 | 12 | 7.5 | 29 | 17.9 |
| | | 25-29 | 185 | 4 | 2.4 | 8 | 4.7 | 19 | 11.3 | 38 | 21.6 |
| | | 30-34 | 139 | 3 | 2.2 | 6 | 4.5 | 9 | 6.8 | 34 | 25.2 |
| | | 35+ | 92 | 2 | 2.2 | 10 | 11.2 | 12 | 13.5 | 23 | 25.8 |
| | Years since diagnosis | 5-9 | 82 | 1 | 1.8 | 1 | 1.8 | 2 | 3.6 | 4 | 7.3 |
| | | 10-14 | 233 | 8 | 3.7 | 18 | 8.5 | 15 | 7.0 | 36 | 16.5 |
| | | 15-19 | 259 | 3 | 1.2 | 9 | 3.6 | 17 | 6.9 | 55 | 22.0 |
| | | 20+ | 233 | 5 | 2.2 | 19 | 8.4 | 30 | 13.5 | 58 | 25.4 |
| | Age at diagnosis | <1 | 72 | 4 | 5.7 | 8 | 11.4 | 6 | 8.6 | 12 | 17.1 |
| | | 1-4 | 230 | 5 | 2.3 | 17 | 7.8 | 19 | 8.8 | 44 | 20.2 |
| | | 5-9 | 173 | 2 | 1.3 | 5 | 3.1 | 17 | 10.6 | 35 | 21.2 |
| | | 10-14 | 160 | 1 | 0.7 | 6 | 4.3 | 7 | 5.0 | 24 | 16.7 |
| | | 15-20 | 172 | 5 | 3.3 | 11 | 7.3 | 15 | 9.9 | 38 | 24.7 |
| | Treatment | Surgery only | 97 | 2 | 2.2 | 7 | 7.6 | 7 | 7.7 | 21 | 22.6 |
| | | Chemotherapy, no radiation | 148 | 6 | 4.3 | 12 | 8.6 | 7 | 5.0 | 29 | 20.7 |
| | | Radiation, no chemotherapy | 31 | 1 | 3.8 | 1 | 3.8 | 1 | 3.8 | 5 | 17.9 |
| | | Chemotherapy and radiation | 450 | 6 | 1.5 | 22 | 5.4 | 40 | 9.9 | 81 | 19.5 |
| | | Unknown | 81 | 2 | 2.7 | 5 | 6.7 | 9 | 12.0 | 17 | 22.7 |

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|------------|---|-------------|---|-------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 2098 | 59 | 3.2 | 184 | 10.0 | 258 | 14.0 | 680 | 36.3 |
| | Age at baseline | <18 | 96 | 2 | 3.6 | 4 | 7.1 | 5 | 8.9 | 10 | 17.9 |
| | | 18-19 | 72 | 1 | 2.1 | 2 | 4.3 | 6 | 12.8 | 14 | 29.2 |
| | | 20-24 | 388 | 5 | 1.7 | 21 | 7.1 | 34 | 11.5 | 92 | 30.3 |
| | | 25-29 | 568 | 24 | 4.7 | 52 | 10.3 | 74 | 14.6 | 183 | 35.5 |
| | | 30-34 | 566 | 17 | 3.1 | 50 | 9.3 | 67 | 12.4 | 212 | 38.8 |
| | | 35+ | 408 | 10 | 2.5 | 55 | 13.8 | 72 | 18.1 | 169 | 42.0 |
| | Years since diagnosis | 5-9 | 241 | 1 | 1.1 | 5 | 5.6 | 12 | 13.5 | 33 | 32.7 |
| | | 10-14 | 681 | 18 | 2.9 | 52 | 8.4 | 74 | 12.0 | 217 | 34.8 |
| | | 15-19 | 676 | 22 | 3.4 | 71 | 11.0 | 87 | 13.4 | 234 | 35.7 |
| | | 20+ | 500 | 18 | 3.7 | 56 | 11.4 | 85 | 17.4 | 196 | 39.8 |
| | Age at diagnosis | <1 | 9 | . | . | . | . | . | . | 1 | 11.1 |
| | | 1-4 | 88 | 4 | 5.0 | 11 | 13.8 | 11 | 13.8 | 18 | 22.5 |
| | | 5-9 | 371 | 11 | 3.3 | 23 | 6.9 | 37 | 11.1 | 99 | 29.5 |
| | | 10-14 | 840 | 28 | 3.8 | 70 | 9.5 | 112 | 15.1 | 276 | 36.7 |
| | | 15-20 | 790 | 16 | 2.3 | 80 | 11.7 | 98 | 14.4 | 286 | 41.1 |
| | Treatment | Surgery only | 119 | 2 | 1.7 | 5 | 4.3 | 9 | 7.9 | 40 | 34.2 |
| | | Chemotherapy, no radiation | 1189 | 34 | 3.1 | 120 | 11.0 | 149 | 13.7 | 403 | 36.5 |
| | | Radiation, no chemotherapy | 17 | . | . | 1 | 7.1 | 3 | 21.4 | 3 | 21.4 |
| | | Chemotherapy and radiation | 580 | 17 | 3.6 | 40 | 8.5 | 69 | 14.6 | 164 | 34.2 |
| | | Unknown | 193 | 6 | 3.8 | 18 | 11.5 | 28 | 17.9 | 70 | 44.6 |
| Males | All cases | | 1084 | 27 | 2.9 | 72 | 7.7 | 113 | 12.1 | 286 | 30.1 |
| | Age at baseline | <18 | 48 | 1 | 4.2 | 1 | 4.2 | 2 | 8.3 | 2 | 8.3 |
| | | 18-19 | 36 | 1 | 5.3 | . | . | 2 | 10.5 | 2 | 10.0 |
| | | 20-24 | 193 | 2 | 1.4 | 6 | 4.2 | 16 | 11.2 | 29 | 19.5 |
| | | 25-29 | 299 | 10 | 3.9 | 22 | 8.6 | 33 | 12.8 | 84 | 31.8 |
| | | 30-34 | 283 | 9 | 3.3 | 22 | 8.1 | 23 | 8.5 | 85 | 31.4 |
| | | 35+ | 225 | 4 | 1.8 | 21 | 9.6 | 37 | 16.9 | 84 | 37.8 |
| | Years since diagnosis | 5-9 | 132 | . | . | . | . | 2 | 4.7 | 11 | 21.6 |
| | | 10-14 | 349 | 9 | 3.0 | 20 | 6.6 | 30 | 9.9 | 88 | 28.4 |
| | | 15-19 | 347 | 11 | 3.3 | 33 | 9.9 | 42 | 12.6 | 98 | 29.2 |
| | | 20+ | 256 | 7 | 2.8 | 19 | 7.6 | 39 | 15.5 | 89 | 35.2 |
| | Age at diagnosis | <1 | 4 | . | . | . | . | . | . | . | . |
| | | 1-4 | 47 | 1 | 2.3 | 4 | 9.1 | 7 | 15.9 | 5 | 11.4 |
| | | 5-9 | 190 | 7 | 4.1 | 11 | 6.5 | 22 | 13.0 | 39 | 22.9 |
| | | 10-14 | 401 | 11 | 3.2 | 20 | 5.8 | 43 | 12.5 | 102 | 29.0 |
| | | 15-20 | 442 | 8 | 2.2 | 37 | 9.9 | 41 | 11.1 | 140 | 36.8 |
| | Treatment | Surgery only | 48 | . | . | 1 | 2.1 | 5 | 10.6 | 13 | 27.1 |
| | | Chemotherapy, no radiation | 611 | 14 | 2.5 | 44 | 8.0 | 60 | 10.9 | 163 | 29.2 |
| | | Radiation, no chemotherapy | 9 | . | . | 1 | 14.3 | 2 | 28.6 | 1 | 14.3 |
| | | Chemotherapy and radiation | 296 | 10 | 4.3 | 18 | 7.8 | 32 | 13.8 | 69 | 29.0 |
| | | Unknown | 120 | 3 | 3.1 | 8 | 8.2 | 14 | 14.4 | 40 | 40.8 |
| Females | All cases | | 1014 | 32 | 3.5 | 112 | 12.3 | 145 | 15.9 | 394 | 42.7 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|-----|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | Age at baseline | <18 | 48 | 1 | 3.1 | 3 | 9.4 | 3 | 9.4 | 8 | 25.0 |
| | | 18-19 | 36 | . | . | 2 | 7.1 | 4 | 14.3 | 12 | 42.9 |
| | | 20-24 | 195 | 3 | 2.0 | 15 | 9.9 | 18 | 11.8 | 63 | 40.6 |
| | | 25-29 | 269 | 14 | 5.6 | 30 | 12.0 | 41 | 16.4 | 99 | 39.3 |
| | | 30-34 | 283 | 8 | 3.0 | 28 | 10.4 | 44 | 16.3 | 127 | 46.0 |
| | | 35+ | 183 | 6 | 3.4 | 34 | 19.0 | 35 | 19.6 | 85 | 47.2 |
| | Years since diagnosis | 5-9 | 109 | 1 | 2.2 | 5 | 10.9 | 10 | 21.7 | 22 | 44.0 |
| | | 10-14 | 332 | 9 | 2.9 | 32 | 10.2 | 44 | 14.0 | 129 | 41.1 |
| | | 15-19 | 329 | 11 | 3.5 | 38 | 12.2 | 45 | 14.3 | 136 | 42.6 |
| | | 20+ | 244 | 11 | 4.6 | 37 | 15.5 | 46 | 19.4 | 107 | 44.6 |
| | Age at diagnosis | <1 | 5 | . | . | . | . | . | . | 1 | 20.0 |
| | | 1-4 | 41 | 3 | 8.3 | 7 | 19.4 | 4 | 11.1 | 13 | 36.1 |
| | | 5-9 | 181 | 4 | 2.4 | 12 | 7.3 | 15 | 9.1 | 60 | 36.1 |
| | | 10-14 | 439 | 17 | 4.3 | 50 | 12.7 | 69 | 17.4 | 174 | 43.5 |
| | | 15-20 | 348 | 8 | 2.6 | 43 | 13.9 | 57 | 18.4 | 146 | 46.2 |
| | Treatment | Surgery only | 71 | 2 | 3.0 | 4 | 6.0 | 4 | 6.0 | 27 | 39.1 |
| | | Chemotherapy, no radiation | 578 | 20 | 3.7 | 76 | 14.1 | 89 | 16.5 | 240 | 44.0 |
| | | Radiation, no chemotherapy | 8 | . | . | . | . | 1 | 14.3 | 2 | 28.6 |
| | | Chemotherapy and radiation | 284 | 7 | 2.9 | 22 | 9.3 | 37 | 15.5 | 95 | 39.3 |
| | | Unknown | 73 | 3 | 5.0 | 10 | 16.7 | 14 | 23.7 | 30 | 50.8 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

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n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|------------|---|------------|---|-------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 738 | 22 | 3.6 | 52 | 8.5 | 78 | 12.6 | 184 | 29.4 |
| | Age at baseline | <18 | 61 | 1 | 2.7 | 2 | 5.4 | 3 | 8.1 | 3 | 8.1 |
| | | 18-19 | 36 | . | . | . | . | 2 | 10.5 | 3 | 15.8 |
| | | 20-24 | 170 | 3 | 2.3 | 7 | 5.4 | 10 | 7.7 | 38 | 29.0 |
| | | 25-29 | 204 | 10 | 5.6 | 21 | 11.9 | 30 | 16.9 | 55 | 30.4 |
| | | 30-34 | 164 | 2 | 1.3 | 8 | 5.3 | 12 | 7.8 | 45 | 28.8 |
| | | 35+ | 103 | 6 | 5.9 | 14 | 13.9 | 21 | 20.8 | 40 | 39.2 |
| | Years since diagnosis | 5-9 | 103 | . | . | 1 | 3.6 | . | . | 6 | 20.0 |
| | | 10-14 | 247 | 6 | 2.8 | 15 | 7.0 | 27 | 12.5 | 57 | 26.0 |
| | | 15-19 | 223 | 9 | 4.2 | 20 | 9.5 | 26 | 12.3 | 64 | 29.8 |
| | | 20+ | 165 | 7 | 4.3 | 16 | 9.9 | 25 | 15.4 | 57 | 35.2 |
| | Age at diagnosis | <1 | 5 | . | . | . | . | . | . | . | . |
| | | 1-4 | 54 | 2 | 4.2 | 5 | 10.4 | 8 | 16.7 | 9 | 18.8 |
| | | 5-9 | 185 | 5 | 3.1 | 7 | 4.3 | 12 | 7.4 | 40 | 24.7 |
| | | 10-14 | 277 | 8 | 3.5 | 21 | 9.3 | 30 | 13.2 | 67 | 28.9 |
| | | 15-20 | 217 | 7 | 4.0 | 19 | 11.0 | 28 | 16.2 | 68 | 38.0 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | 1 | . |
| | | Chemotherapy, no radiation | 210 | 4 | 2.0 | 14 | 7.0 | 16 | 8.0 | 39 | 19.4 |
| | | Radiation, no chemotherapy | 2 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 461 | 15 | 4.1 | 32 | 8.7 | 53 | 14.4 | 125 | 33.2 |
| | | Unknown | 64 | 3 | 6.4 | 6 | 12.8 | 9 | 19.1 | 19 | 41.3 |
| Males | All cases | | 385 | 10 | 3.1 | 24 | 7.5 | 37 | 11.6 | 84 | 25.9 |
| | Age at baseline | <18 | 27 | . | . | 1 | 5.9 | 1 | 5.9 | 1 | 5.9 |
| | | 18-19 | 20 | . | . | . | . | 1 | 12.5 | 2 | 25.0 |
| | | 20-24 | 87 | 2 | 2.9 | 3 | 4.3 | 6 | 8.7 | 15 | 21.7 |
| | | 25-29 | 105 | 4 | 4.5 | 8 | 9.1 | 13 | 14.8 | 24 | 26.4 |
| | | 30-34 | 90 | 2 | 2.4 | 4 | 4.9 | 5 | 6.1 | 20 | 24.1 |
| | | 35+ | 56 | 2 | 3.6 | 8 | 14.5 | 11 | 20.0 | 22 | 39.3 |
| | Years since diagnosis | 5-9 | 55 | . | . | . | . | . | . | 4 | 20.0 |
| | | 10-14 | 121 | 2 | 2.0 | 5 | 5.1 | 9 | 9.2 | 22 | 21.8 |
| | | 15-19 | 122 | 6 | 5.2 | 11 | 9.6 | 14 | 12.2 | 30 | 25.9 |
| | | 20+ | 87 | 2 | 2.3 | 8 | 9.2 | 14 | 16.1 | 28 | 32.2 |
| | Age at diagnosis | <1 | 2 | . | . | . | . | . | . | . | . |
| | | 1-4 | 29 | 1 | 3.7 | 3 | 11.1 | 6 | 22.2 | 4 | 14.8 |
| | | 5-9 | 92 | 3 | 3.7 | 4 | 4.9 | 8 | 9.8 | 15 | 18.5 |
| | | 10-14 | 146 | 3 | 2.5 | 8 | 6.7 | 12 | 10.0 | 33 | 26.8 |
| | | 15-20 | 116 | 3 | 3.4 | 9 | 10.2 | 11 | 12.5 | 32 | 35.2 |
| | Treatment | Chemotherapy, no radiation | 111 | 2 | 1.9 | 7 | 6.5 | 7 | 6.5 | 22 | 20.6 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 236 | 8 | 4.4 | 15 | 8.2 | 26 | 14.2 | 52 | 27.7 |
| | | Unknown | 37 | . | . | 2 | 7.1 | 4 | 14.3 | 10 | 35.7 |
| Females | All cases | | 353 | 12 | 4.0 | 28 | 9.5 | 41 | 13.8 | 100 | 33.1 |
| | Age at baseline | <18 | 34 | 1 | 5.0 | 1 | 5.0 | 2 | 10.0 | 2 | 10.0 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

¹ Performance Limitation was not computed for those who died before the baseline interview, because the questions asked about activity levels in the past 2 years. To compute the variable, each of the 6 questions in N.14/O.20 was assigned a score of 1 to 3, with 1 indicating limited for more than 3 months. The 6 scores were added and the variable dichotomized. Patients with a total score less than 16 were considered limited.

n=7 participants with no baseline information are not included

| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|------------------------------|----------------------------|--------------|---|------|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | | 18-19 | 16 | . | . | . | . | 1 | 9.1 | 1 | 9.1 |
| | | 20-24 | 83 | 1 | 1.6 | 4 | 6.7 | 4 | 6.6 | 23 | 37.1 |
| | | 25-29 | 99 | 6 | 6.7 | 13 | 14.6 | 17 | 19.1 | 31 | 34.4 |
| | | 30-34 | 74 | . | . | 4 | 5.7 | 7 | 9.9 | 25 | 34.2 |
| | | 35+ | 47 | 4 | 8.7 | 6 | 13.0 | 10 | 21.7 | 18 | 39.1 |
| | Years since diagnosis | 5-9 | 48 | . | . | 1 | 11.1 | . | . | 2 | 20.0 |
| | | 10-14 | 126 | 4 | 3.4 | 10 | 8.5 | 18 | 15.3 | 35 | 29.7 |
| | | 15-19 | 101 | 3 | 3.1 | 9 | 9.5 | 12 | 12.5 | 34 | 34.3 |
| | | 20+ | 78 | 5 | 6.7 | 8 | 10.7 | 11 | 14.7 | 29 | 38.7 |
| | Age at diagnosis | <1 | 3 | . | . | . | . | . | . | . | . |
| | | 1-4 | 25 | 1 | 4.8 | 2 | 9.5 | 2 | 9.5 | 5 | 23.8 |
| | | 5-9 | 93 | 2 | 2.5 | 3 | 3.7 | 4 | 4.9 | 25 | 30.9 |
| | | 10-14 | 131 | 5 | 4.6 | 13 | 12.3 | 18 | 16.7 | 34 | 31.2 |
| | | 15-20 | 101 | 4 | 4.7 | 10 | 11.8 | 17 | 20.0 | 36 | 40.9 |
| | Treatment | Surgery only | 1 | . | . | . | . | . | . | 1 | . |
| | | Chemotherapy, no radiation | 99 | 2 | 2.2 | 7 | 7.6 | 9 | 9.8 | 17 | 18.1 |
| | | Radiation, no chemotherapy | 1 | . | . | . | . | . | . | . | . |
| | | Chemotherapy and radiation | 225 | 7 | 3.8 | 17 | 9.2 | 27 | 14.5 | 73 | 38.6 |
| | | Unknown | 27 | 3 | 15.8 | 4 | 21.1 | 5 | 26.3 | 9 | 50.0 |

CCSS data from Jan2020 data freeze

Based on physical performance measures reported in Ness, et.al., Ann Intern Med 2005; 143:639-47

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|-------------------|------------------------------|----------------------------|--------------|---|------------|---|-------------|---|-------------|--|-------------|
| | | | All cases | N | % | N | % | N | % | N | % |
| Both sexes | All cases | | 1257 | 35 | 3.1 | 125 | 11.1 | 169 | 15.0 | 471 | 41.0 |
| | Age at baseline | <18 | 29 | 1 | 7.1 | 1 | 7.1 | 2 | 14.3 | 5 | 35.7 |
| | | 18-19 | 30 | 1 | 4.3 | 2 | 8.7 | 4 | 17.4 | 10 | 41.7 |
| | | 20-24 | 198 | 2 | 1.4 | 13 | 8.9 | 22 | 15.1 | 52 | 34.0 |
| | | 25-29 | 344 | 14 | 4.5 | 30 | 9.6 | 42 | 13.5 | 126 | 39.7 |
| | | 30-34 | 373 | 13 | 3.6 | 40 | 11.1 | 52 | 14.4 | 159 | 43.8 |
| | | 35+ | 283 | 4 | 1.5 | 39 | 14.2 | 47 | 17.1 | 119 | 42.8 |
| | Years since diagnosis | 5-9 | 131 | 1 | 1.8 | 4 | 7.0 | 11 | 19.6 | 27 | 40.9 |
| | | 10-14 | 397 | 11 | 3.0 | 35 | 9.5 | 45 | 12.3 | 151 | 40.8 |
| | | 15-19 | 422 | 12 | 2.9 | 49 | 12.0 | 58 | 14.2 | 163 | 39.8 |
| | | 20+ | 307 | 11 | 3.7 | 37 | 12.3 | 55 | 18.5 | 130 | 42.9 |
| | Age at diagnosis | 1-4 | 25 | 2 | 8.3 | 4 | 16.7 | 2 | 8.3 | 7 | 29.2 |
| | | 5-9 | 168 | 6 | 3.9 | 15 | 9.8 | 25 | 16.2 | 57 | 36.5 |
| | | 10-14 | 533 | 19 | 3.9 | 48 | 9.9 | 76 | 15.7 | 201 | 40.9 |
| | | 15-20 | 531 | 8 | 1.7 | 58 | 12.4 | 66 | 14.1 | 206 | 43.2 |
| | Treatment | Surgery only | 86 | 1 | 1.2 | 4 | 4.8 | 7 | 8.4 | 32 | 38.1 |
| | | Chemotherapy, no radiation | 955 | 29 | 3.3 | 104 | 12.0 | 131 | 15.1 | 360 | 40.8 |
| | | Radiation, no chemotherapy | 10 | . | . | . | . | 2 | 22.2 | 2 | 22.2 |
| | | Chemotherapy and radiation | 83 | 2 | 3.0 | 5 | 7.6 | 13 | 19.7 | 27 | 40.3 |
| | | Unknown | 123 | 3 | 2.9 | 12 | 11.4 | 16 | 15.4 | 50 | 47.2 |
| Males | All cases | | 647 | 17 | 3.0 | 44 | 7.8 | 72 | 12.7 | 194 | 33.6 |
| | Age at baseline | <18 | 20 | 1 | 16.7 | . | . | 1 | 16.7 | 1 | 16.7 |
| | | 18-19 | 12 | 1 | 12.5 | . | . | 1 | 12.5 | . | . |
| | | 20-24 | 95 | . | . | 2 | 3.1 | 9 | 14.1 | 14 | 20.3 |
| | | 25-29 | 183 | 6 | 3.8 | 13 | 8.2 | 19 | 11.9 | 59 | 36.2 |
| | | 30-34 | 178 | 7 | 4.0 | 17 | 9.8 | 18 | 10.3 | 62 | 35.6 |
| | | 35+ | 159 | 2 | 1.3 | 12 | 7.8 | 24 | 15.6 | 58 | 37.2 |
| | Years since diagnosis | 5-9 | 74 | . | . | . | . | 1 | 4.3 | 7 | 23.3 |
| | | 10-14 | 209 | 7 | 3.7 | 14 | 7.4 | 21 | 11.2 | 64 | 33.5 |
| | | 15-19 | 210 | 5 | 2.4 | 21 | 10.3 | 28 | 13.7 | 66 | 32.2 |
| | | 20+ | 154 | 5 | 3.4 | 9 | 6.0 | 22 | 14.8 | 57 | 37.7 |
| | Age at diagnosis | 1-4 | 14 | . | . | . | . | . | . | 1 | 7.7 |
| | | 5-9 | 84 | 4 | 5.4 | 6 | 8.2 | 14 | 18.9 | 23 | 30.7 |
| | | 10-14 | 245 | 8 | 3.7 | 12 | 5.6 | 29 | 13.4 | 67 | 30.5 |
| | | 15-20 | 304 | 5 | 1.9 | 26 | 9.8 | 29 | 11.1 | 103 | 38.3 |
| | Treatment | Surgery only | 30 | . | . | 1 | 3.3 | 5 | 16.7 | 10 | 33.3 |
| | | Chemotherapy, no radiation | 488 | 12 | 2.8 | 37 | 8.6 | 53 | 12.3 | 141 | 31.9 |
| | | Radiation, no chemotherapy | 6 | . | . | . | . | 1 | 20.0 | 1 | 20.0 |
| | | Chemotherapy and radiation | 44 | 2 | 6.1 | . | . | 5 | 15.2 | 13 | 38.2 |
| | | Unknown | 79 | 3 | 4.6 | 6 | 9.2 | 8 | 12.3 | 29 | 43.9 |
| Females | All cases | | 610 | 18 | 3.2 | 81 | 14.3 | 97 | 17.2 | 277 | 48.4 |
| | Age at baseline | <18 | 9 | . | . | 1 | 12.5 | 1 | 12.5 | 4 | 50.0 |
| | | 18-19 | 18 | . | . | 2 | 13.3 | 3 | 20.0 | 10 | 66.7 |

CCSS data from Jan2020 data freeze

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| | | | | Needs Help w/ Personal Care (N.10/O.16) | | Needs Help w/ Routine Needs (N.11/O.17) | | Cannot work or Attend School (N.12/O.18) | | Performance Limitation ¹ | |
|--|-----------------------|----------------------------|--------------|---|------|---|------|---|------|--|------|
| | | | All cases | N | % | N | % | N | % | N | % |
| | | 20-24 | 103 | 2 | 2.4 | 11 | 13.4 | 13 | 15.9 | 38 | 45.2 |
| | | 25-29 | 161 | 8 | 5.2 | 17 | 11.1 | 23 | 15.0 | 67 | 43.5 |
| | | 30-34 | 195 | 6 | 3.2 | 23 | 12.3 | 34 | 18.3 | 97 | 51.3 |
| | | 35+ | 124 | 2 | 1.7 | 27 | 22.3 | 23 | 19.0 | 61 | 50.0 |
| | Years since diagnosis | 5-9 | 57 | 1 | 3.0 | 4 | 12.1 | 10 | 30.3 | 20 | 55.6 |
| | | 10-14 | 188 | 4 | 2.2 | 21 | 11.7 | 24 | 13.4 | 87 | 48.6 |
| | | 15-19 | 212 | 7 | 3.4 | 28 | 13.8 | 30 | 14.7 | 97 | 47.3 |
| | | 20+ | 153 | 6 | 4.0 | 28 | 18.5 | 33 | 22.1 | 73 | 48.0 |
| | Age at diagnosis | 1-4 | 11 | 2 | 18.2 | 4 | 36.4 | 2 | 18.2 | 6 | 54.5 |
| | | 5-9 | 84 | 2 | 2.5 | 9 | 11.3 | 11 | 13.8 | 34 | 42.0 |
| | | 10-14 | 288 | 11 | 4.1 | 36 | 13.3 | 47 | 17.5 | 134 | 49.3 |
| | | 15-20 | 227 | 3 | 1.5 | 32 | 15.6 | 37 | 18.0 | 103 | 49.5 |
| | Treatment | Surgery only | 56 | 1 | 1.9 | 3 | 5.7 | 2 | 3.8 | 22 | 40.7 |
| | | Chemotherapy, no radiation | 467 | 17 | 3.9 | 67 | 15.4 | 78 | 17.9 | 219 | 49.7 |
| | | Radiation, no chemotherapy | 4 | . | . | . | . | 1 | 25.0 | 1 | 25.0 |
| | | Chemotherapy and radiation | 39 | . | . | 5 | 15.2 | 8 | 24.2 | 14 | 42.4 |
| | | Unknown | 44 | . | . | 6 | 15.0 | 8 | 20.5 | 21 | 52.5 |

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