

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, Invasive Breast Cancer

| Year of Diagnosis or Death | Incidence | | | | | | Mortality | | | | | |
|----------------------------------|-----------|------|--------|-------------|------|--------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | | Deaths | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| ALL RACES | | | | | | | | | | | | |
| 1988 | 17,034 | 102 | 16,932 | 72.1 | 1.1 | 130.7 | 4,145 | 24 | 4,121 | 17.8 | 0.3 | 31.7 |
| 1989 | 16,596 | 97 | 16,499 | 68.8 | 1.0 | 125.0 | 4,279 | 21 | 4,258 | 18.1 | 0.2 | 32.3 |
| 1990 | 17,417 | 133 | 17,284 | 70.7 | 1.2 | 128.6 | 4,310 | 18 | 4,292 | 17.8 | 0.2 | 31.8 |
| 1991 | 17,633 | 91 | 17,542 | 70.3 | 0.9 | 128.3 | 4,319 | 24 | 4,295 | 17.6 | 0.2 | 31.4 |
| 1992 | 18,362 | 110 | 18,252 | 71.6 | 1.0 | 130.4 | 4,141 | 25 | 4,116 | 16.5 | 0.2 | 29.4 |
| 1993 | 17,998 | 121 | 17,877 | 69.1 | 1.1 | 126.0 | 4,339 | 29 | 4,310 | 16.9 | 0.3 | 30.2 |
| 1994 | 18,322 | 124 | 18,198 | 69.3 | 1.1 | 126.8 | 4,441 | 37 | 4,404 | 17.1 | 0.3 | 30.4 |
| 1995 | 18,929 | 99 | 18,830 | 70.5 | 0.9 | 129.1 | 4,276 | 35 | 4,241 | 16.2 | 0.3 | 28.8 |
| 1996 | 19,703 | 113 | 19,590 | 72.1 | 1.0 | 132.5 | 4,332 | 37 | 4,295 | 16.0 | 0.3 | 28.7 |
| 1997 | 20,254 | 122 | 20,132 | 72.2 | 1.1 | 132.6 | 4,123 | 33 | 4,090 | 14.9 | 0.3 | 26.7 |
| 1998 | 21,174 | 124 | 21,050 | 73.5 | 1.0 | 135.4 | 4,125 | 30 | 4,095 | 14.5 | 0.3 | 26.1 |
| 1999 | 21,943 | 130 | 21,813 | 74.2 | 1.0 | 136.7 | 4,065 | 26 | 4,039 | 14.0 | 0.2 | 25.0 |
| 2000 | 21,989 | 145 | 21,844 | 72.6 | 1.1 | 133.9 | 4,263 | 40 | 4,223 | 14.3 | 0.3 | 25.6 |
| 2001 | 22,298 | 155 | 22,143 | 71.9 | 1.2 | 132.8 | 4,220 | 35 | 4,185 | 13.8 | 0.3 | 24.8 |
| 2002 | 22,489 | 110 | 22,379 | 70.9 | 0.8 | 131.3 | 4,154 | 38 | 4,116 | 13.4 | 0.3 | 23.9 |
| 2003 | 21,302 | 130 | 21,172 | 65.5 | 0.9 | 121.5 | 4,216 | 32 | 4,184 | 13.2 | 0.2 | 23.8 |
| 2004 | 21,381 | 118 | 21,263 | 64.4 | 0.9 | 119.7 | 4,238 | 28 | 4,210 | 13.0 | 0.2 | 23.5 |
| 2005 | 22,134 | 135 | 21,999 | 65.4 | 0.9 | 121.7 | 4,186 | 28 | 4,158 | 12.6 | 0.2 | 22.8 |
| 2006 | 22,275 | 160 | 22,115 | 64.9 | 1.1 | 120.9 | 4,197 | 35 | 4,162 | 12.4 | 0.3 | 22.4 |
| 2007 | 23,286 | 138 | 23,148 | 66.5 | 1.0 | 124.0 | 4,237 | 31 | 4,206 | 12.3 | 0.2 | 22.2 |
| 2008 | 24,062 | 152 | 23,910 | 67.2 | 1.0 | 125.5 | 4,215 | 27 | 4,188 | 11.9 | 0.2 | 21.5 |
| 2009 | 24,161 | 170 | 23,991 | 66.1 | 1.1 | 123.5 | 4,412 | 26 | 4,386 | 12.2 | 0.2 | 22.1 |
| 2010 | 23,866 | 168 | 23,698 | 63.8 | 1.0 | 119.2 | 4,252 | 27 | 4,225 | 11.4 | 0.2 | 20.6 |
| 2011 | 24,986 | 179 | 24,807 | 65.4 | 1.1 | 122.6 | 4,282 | 36 | 4,246 | 11.3 | 0.2 | 20.5 |
| 2012 | 25,400 | 160 | 25,240 | 64.9 | 0.9 | 121.8 | 4,493 | 29 | 4,464 | 11.6 | 0.2 | 21.0 |
| 2013 | 25,911 | 174 | 25,737 | 64.9 | 1.0 | 121.9 | 4,407 | 46 | 4,361 | 11.0 | 0.3 | 20.0 |
| 2014 | 26,052 | 185 | 25,867 | 63.9 | 1.0 | 120.0 | 4,460 | 33 | 4,427 | 10.9 | 0.2 | 20.0 |
| 2015 | 27,275 | 210 | 27,065 | 65.3 | 1.1 | 122.9 | 4,485 | 44 | 4,441 | 10.7 | 0.2 | 19.5 |
| 2016 | 26,977 | 195 | 26,782 | 63.5 | 1.0 | 119.7 | 4,355 | 44 | 4,311 | 10.2 | 0.2 | 18.5 |
| 2017 | 27,829 | 179 | 27,650 | 64.4 | 0.9 | 121.7 | 4,627 | 38 | 4,589 | 10.6 | 0.2 | 19.4 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Rates based on fewer than 15 cases or deaths are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, Invasive Breast Cancer (continued)

| Year of Diagnosis or Death | Incidence | | | | | | Mortality | | | | | |
|----------------------------------|-----------|------|--------|-------------|------|--------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | | Deaths | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| ASIAN/PACIFIC ISLANDER | | | | | | | | | | | | |
| 1988 | 733 | 2 | 731 | 41.3 | - | 76.6 | 125 | 0 | 125 | 7.3 | - | 13.5 |
| 1989 | 767 | 0 | 767 | 39.9 | - | 74.0 | 166 | 1 | 165 | 9.0 | - | 16.6 |
| 1990 | 911 | 4 | 907 | 44.0 | - | 81.4 | 164 | 0 | 164 | 8.5 | - | 15.8 |
| 1991 | 875 | 3 | 872 | 39.0 | - | 72.2 | 196 | 1 | 195 | 9.6 | - | 17.5 |
| 1992 | 1,052 | 10 | 1,042 | 45.9 | - | 83.6 | 145 | 1 | 144 | 6.6 | - | 11.9 |
| 1993 | 1,037 | 7 | 1,030 | 41.7 | - | 76.2 | 179 | 2 | 177 | 7.6 | - | 13.7 |
| 1994 | 1,123 | 4 | 1,119 | 42.3 | - | 77.5 | 212 | 0 | 212 | 9.0 | - | 16.4 |
| 1995 | 1,256 | 3 | 1,253 | 45.0 | - | 82.4 | 225 | 1 | 224 | 8.2 | - | 14.9 |
| 1996 | 1,401 | 6 | 1,395 | 47.7 | - | 87.2 | 202 | 1 | 201 | 7.5 | - | 13.5 |
| 1997 | 1,529 | 8 | 1,521 | 49.4 | - | 90.0 | 222 | 1 | 221 | 7.5 | - | 13.6 |
| 1998 | 1,637 | 7 | 1,630 | 49.3 | - | 90.1 | 256 | 0 | 256 | 8.0 | - | 14.7 |
| 1999 | 1,768 | 11 | 1,757 | 51.0 | - | 92.7 | 238 | 1 | 237 | 7.2 | - | 13.1 |
| 2000 | 1,817 | 3 | 1,814 | 49.7 | - | 90.9 | 264 | 2 | 262 | 7.5 | - | 13.5 |
| 2001 | 1,901 | 11 | 1,890 | 49.8 | - | 90.5 | 302 | 2 | 300 | 8.4 | - | 15.0 |
| 2002 | 2,113 | 8 | 2,105 | 52.8 | - | 96.0 | 313 | 4 | 309 | 8.3 | - | 14.7 |
| 2003 | 2,043 | 8 | 2,035 | 48.7 | - | 88.5 | 318 | 1 | 317 | 7.9 | - | 14.2 |
| 2004 | 2,259 | 4 | 2,255 | 51.4 | - | 93.7 | 347 | 1 | 346 | 8.2 | - | 14.7 |
| 2005 | 2,358 | 10 | 2,348 | 51.8 | - | 93.9 | 347 | 2 | 345 | 8.0 | - | 14.3 |
| 2006 | 2,412 | 18 | 2,394 | 51.0 | 0.9 | 92.0 | 348 | 2 | 346 | 7.6 | - | 13.6 |
| 2007 | 2,602 | 8 | 2,594 | 53.0 | - | 96.0 | 349 | 1 | 348 | 7.4 | - | 13.2 |
| 2008 | 2,861 | 12 | 2,849 | 56.1 | - | 101.3 | 373 | 2 | 371 | 7.4 | - | 13.2 |
| 2009 | 2,806 | 21 | 2,785 | 53.0 | 0.9 | 95.6 | 383 | 0 | 383 | 7.4 | - | 13.3 |
| 2010 | 2,972 | 15 | 2,957 | 53.9 | 0.6 | 97.4 | 427 | 3 | 424 | 7.9 | - | 14.1 |
| 2011 | 3,118 | 5 | 3,113 | 54.9 | - | 99.5 | 420 | 4 | 416 | 7.4 | - | 13.2 |
| 2012 | 3,283 | 16 | 3,267 | 55.2 | 0.7 | 99.8 | 437 | 3 | 434 | 7.5 | - | 13.3 |
| 2013 | 3,468 | 13 | 3,455 | 56.4 | - | 102.3 | 434 | 6 | 428 | 7.2 | - | 12.7 |
| 2014 | 3,491 | 15 | 3,476 | 54.9 | 0.5 | 99.3 | 472 | 2 | 470 | 7.4 | - | 13.1 |
| 2015 | 3,890 | 21 | 3,869 | 58.6 | 0.7 | 106.1 | 514 | 1 | 513 | 7.8 | - | 13.9 |
| 2016 | 3,847 | 19 | 3,828 | 55.9 | 0.6 | 101.2 | 465 | 3 | 462 | 6.7 | - | 11.9 |
| 2017 | 4,156 | 18 | 4,138 | 58.6 | 0.6 | 106.3 | 575 | 4 | 571 | 8.0 | - | 14.2 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Rates based on fewer than 15 cases or deaths are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, Invasive Breast Cancer (continued)

| Year of Diagnosis or Death | Incidence | | | | | | Mortality | | | | | |
|----------------------------------|-----------|------|--------|-------------|------|--------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | | Deaths | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| NON-HISPANIC BLACK | | | | | | | | | | | | |
| 1988 | 967 | 8 | 959 | 70.6 | - | 124.9 | 306 | 2 | 304 | 21.9 | - | 39.1 |
| 1989 | 891 | 8 | 883 | 62.9 | - | 111.8 | 309 | 2 | 307 | 22.7 | - | 40.0 |
| 1990 | 973 | 7 | 966 | 67.7 | - | 120.1 | 328 | 0 | 328 | 24.0 | - | 42.1 |
| 1991 | 989 | 6 | 983 | 66.6 | - | 119.2 | 307 | 0 | 307 | 21.8 | - | 38.5 |
| 1992 | 1,031 | 2 | 1,029 | 68.4 | - | 122.1 | 321 | 2 | 319 | 22.4 | - | 39.1 |
| 1993 | 1,040 | 9 | 1,031 | 66.1 | - | 118.7 | 311 | 3 | 308 | 21.1 | - | 36.8 |
| 1994 | 1,087 | 9 | 1,078 | 69.0 | - | 123.3 | 339 | 3 | 336 | 22.5 | - | 39.5 |
| 1995 | 1,107 | 7 | 1,100 | 69.9 | - | 124.2 | 350 | 3 | 347 | 22.8 | - | 39.9 |
| 1996 | 1,156 | 10 | 1,146 | 70.9 | - | 126.5 | 355 | 4 | 351 | 21.6 | - | 38.5 |
| 1997 | 1,190 | 12 | 1,178 | 71.8 | - | 127.3 | 353 | 5 | 348 | 21.7 | - | 37.9 |
| 1998 | 1,203 | 7 | 1,196 | 70.5 | - | 126.1 | 338 | 2 | 336 | 20.0 | - | 35.6 |
| 1999 | 1,305 | 12 | 1,293 | 72.6 | - | 131.0 | 312 | 4 | 308 | 18.3 | - | 32.0 |
| 2000 | 1,328 | 15 | 1,313 | 72.7 | 2.0 | 130.5 | 361 | 5 | 356 | 20.5 | - | 35.9 |
| 2001 | 1,312 | 13 | 1,299 | 71.0 | - | 126.8 | 355 | 4 | 351 | 19.4 | - | 34.3 |
| 2002 | 1,333 | 12 | 1,321 | 69.6 | - | 125.8 | 342 | 1 | 341 | 19.0 | - | 33.4 |
| 2003 | 1,323 | 10 | 1,313 | 68.2 | - | 122.8 | 358 | 4 | 354 | 18.9 | - | 33.5 |
| 2004 | 1,413 | 8 | 1,405 | 70.9 | - | 128.6 | 389 | 4 | 385 | 20.3 | - | 35.9 |
| 2005 | 1,405 | 7 | 1,398 | 69.4 | - | 125.8 | 382 | 2 | 380 | 19.7 | - | 35.0 |
| 2006 | 1,428 | 12 | 1,416 | 69.2 | - | 125.4 | 355 | 5 | 350 | 18.0 | - | 31.5 |
| 2007 | 1,546 | 15 | 1,531 | 74.6 | 1.9 | 134.8 | 394 | 2 | 392 | 19.8 | - | 35.2 |
| 2008 | 1,517 | 9 | 1,508 | 71.9 | - | 130.7 | 368 | 4 | 364 | 17.9 | - | 31.8 |
| 2009 | 1,558 | 10 | 1,548 | 71.5 | - | 131.0 | 403 | 2 | 401 | 19.1 | - | 34.0 |
| 2010 | 1,514 | 11 | 1,503 | 68.4 | - | 125.1 | 398 | 3 | 395 | 18.1 | - | 32.6 |
| 2011 | 1,664 | 12 | 1,652 | 73.2 | - | 134.0 | 402 | 4 | 398 | 18.6 | - | 33.2 |
| 2012 | 1,642 | 20 | 1,622 | 70.6 | 2.2 | 129.0 | 392 | 4 | 388 | 17.7 | - | 31.6 |
| 2013 | 1,649 | 15 | 1,634 | 70.5 | 1.3 | 129.0 | 389 | 11 | 378 | 17.1 | - | 29.9 |
| 2014 | 1,728 | 20 | 1,708 | 71.4 | 1.8 | 130.9 | 402 | 5 | 397 | 17.1 | - | 30.5 |
| 2015 | 1,747 | 12 | 1,735 | 71.5 | - | 131.8 | 427 | 7 | 420 | 17.8 | - | 31.9 |
| 2016 | 1,638 | 16 | 1,622 | 66.4 | 1.4 | 121.9 | 432 | 4 | 428 | 17.7 | - | 31.8 |
| 2017 | 1,714 | 18 | 1,696 | 67.6 | 1.7 | 124.0 | 382 | 7 | 375 | 15.4 | - | 27.4 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Rates based on fewer than 15 cases or deaths are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, Invasive Breast Cancer (continued)

| Year of Diagnosis or Death | Incidence | | | | | | Mortality | | | | | |
|----------------------------------|-----------|------|--------|-------------|------|--------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | | Deaths | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| HISPANIC | | | | | | | | | | | | |
| 1988 | 1,513 | 10 | 1,503 | 46.7 | - | 85.8 | 344 | 0 | 344 | 10.7 | - | 19.8 |
| 1989 | 1,581 | 7 | 1,574 | 45.5 | - | 84.1 | 399 | 1 | 398 | 12.6 | - | 23.0 |
| 1990 | 1,605 | 5 | 1,600 | 45.2 | - | 82.7 | 409 | 1 | 408 | 12.0 | - | 21.7 |
| 1991 | 1,743 | 6 | 1,737 | 46.6 | - | 85.2 | 379 | 2 | 377 | 10.5 | - | 19.1 |
| 1992 | 1,848 | 10 | 1,838 | 47.1 | - | 86.0 | 432 | 1 | 431 | 12.1 | - | 21.8 |
| 1993 | 1,831 | 8 | 1,823 | 44.9 | - | 82.3 | 449 | 0 | 449 | 11.8 | - | 21.4 |
| 1994 | 1,924 | 11 | 1,913 | 45.2 | - | 82.9 | 460 | 2 | 458 | 11.7 | - | 21.1 |
| 1995 | 2,000 | 4 | 1,996 | 45.2 | - | 83.3 | 450 | 4 | 446 | 11.5 | - | 20.3 |
| 1996 | 2,138 | 5 | 2,133 | 46.8 | - | 86.2 | 514 | 5 | 509 | 12.2 | - | 21.7 |
| 1997 | 2,269 | 7 | 2,262 | 47.2 | - | 86.7 | 500 | 0 | 500 | 11.2 | - | 20.3 |
| 1998 | 2,486 | 13 | 2,473 | 49.4 | - | 90.6 | 522 | 3 | 519 | 11.1 | - | 19.9 |
| 1999 | 2,636 | 15 | 2,621 | 50.0 | 0.9 | 91.3 | 518 | 2 | 516 | 10.8 | - | 19.3 |
| 2000 | 2,746 | 7 | 2,739 | 48.5 | - | 89.4 | 524 | 7 | 517 | 10.2 | - | 18.1 |
| 2001 | 2,859 | 10 | 2,849 | 47.6 | - | 87.6 | 590 | 3 | 587 | 11.0 | - | 19.7 |
| 2002 | 2,996 | 13 | 2,983 | 48.4 | - | 88.8 | 564 | 5 | 559 | 10.0 | - | 17.9 |
| 2003 | 3,108 | 13 | 3,095 | 47.1 | - | 86.8 | 629 | 3 | 626 | 10.5 | - | 18.9 |
| 2004 | 3,147 | 8 | 3,139 | 45.0 | - | 83.4 | 630 | 4 | 626 | 10.3 | - | 18.4 |
| 2005 | 3,441 | 14 | 3,427 | 47.5 | - | 87.7 | 596 | 1 | 595 | 9.2 | - | 16.6 |
| 2006 | 3,503 | 19 | 3,484 | 46.5 | 0.7 | 85.9 | 633 | 4 | 629 | 9.2 | - | 16.5 |
| 2007 | 3,777 | 14 | 3,763 | 47.9 | - | 88.7 | 691 | 4 | 687 | 9.8 | - | 17.6 |
| 2008 | 4,080 | 9 | 4,071 | 49.5 | - | 92.0 | 682 | 2 | 680 | 9.5 | - | 17.0 |
| 2009 | 4,130 | 18 | 4,112 | 47.7 | 0.5 | 88.6 | 772 | 4 | 768 | 10.0 | - | 18.0 |
| 2010 | 4,122 | 18 | 4,104 | 45.7 | 0.6 | 84.9 | 707 | 3 | 704 | 8.8 | - | 15.9 |
| 2011 | 4,622 | 22 | 4,600 | 49.1 | 0.6 | 91.3 | 745 | 7 | 738 | 8.9 | - | 16.0 |
| 2012 | 4,690 | 14 | 4,676 | 47.5 | - | 88.9 | 795 | 2 | 793 | 8.9 | - | 16.1 |
| 2013 | 5,000 | 23 | 4,977 | 49.0 | 0.7 | 91.5 | 879 | 4 | 875 | 9.6 | - | 17.3 |
| 2014 | 5,058 | 30 | 5,028 | 47.7 | 0.7 | 89.1 | 875 | 7 | 868 | 8.8 | - | 16.1 |
| 2015 | 5,401 | 27 | 5,374 | 48.5 | 0.6 | 91.3 | 830 | 8 | 822 | 8.1 | - | 14.7 |
| 2016 | 5,685 | 35 | 5,650 | 49.9 | 0.8 | 93.6 | 865 | 5 | 860 | 8.2 | - | 14.9 |
| 2017 | 5,880 | 24 | 5,856 | 49.4 | 0.5 | 93.3 | 901 | 4 | 897 | 8.3 | - | 15.0 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Rates based on fewer than 15 cases or deaths are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, Invasive Breast Cancer (continued)

| Year of Diagnosis or Death | Incidence | | | | | | Mortality | | | | | |
|----------------------------------|-----------|------|--------|-------------|------|--------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | | Deaths | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| NON-HISPANIC WHITE | | | | | | | | | | | | |
| 1988 | 13,706 | 82 | 13,624 | 79.2 | 1.1 | 144.2 | 3,360 | 22 | 3,338 | 19.4 | 0.3 | 34.7 |
| 1989 | 13,224 | 81 | 13,143 | 75.6 | 1.1 | 137.8 | 3,392 | 17 | 3,375 | 19.4 | 0.2 | 34.7 |
| 1990 | 13,809 | 115 | 13,694 | 77.9 | 1.4 | 142.3 | 3,401 | 16 | 3,385 | 19.2 | 0.2 | 34.3 |
| 1991 | 13,906 | 74 | 13,832 | 77.9 | 0.9 | 142.9 | 3,427 | 21 | 3,406 | 19.2 | 0.3 | 34.2 |
| 1992 | 14,299 | 86 | 14,213 | 79.2 | 1.0 | 145.3 | 3,229 | 21 | 3,208 | 17.8 | 0.3 | 31.9 |
| 1993 | 13,933 | 93 | 13,840 | 76.8 | 1.2 | 141.0 | 3,393 | 24 | 3,369 | 18.5 | 0.3 | 33.2 |
| 1994 | 14,060 | 98 | 13,962 | 77.4 | 1.2 | 142.9 | 3,417 | 32 | 3,385 | 18.6 | 0.4 | 33.2 |
| 1995 | 14,401 | 84 | 14,317 | 78.8 | 1.0 | 145.7 | 3,235 | 27 | 3,208 | 17.5 | 0.3 | 31.4 |
| 1996 | 14,841 | 91 | 14,750 | 80.9 | 1.1 | 150.1 | 3,251 | 27 | 3,224 | 17.4 | 0.3 | 31.3 |
| 1997 | 15,100 | 94 | 15,006 | 80.9 | 1.1 | 150.1 | 3,033 | 27 | 3,006 | 16.0 | 0.3 | 28.9 |
| 1998 | 15,655 | 94 | 15,561 | 82.7 | 1.1 | 154.1 | 2,997 | 25 | 2,972 | 15.6 | 0.3 | 28.2 |
| 1999 | 16,105 | 90 | 16,015 | 83.9 | 1.0 | 156.4 | 2,983 | 19 | 2,964 | 15.2 | 0.2 | 27.3 |
| 2000 | 15,966 | 118 | 15,848 | 82.3 | 1.4 | 153.5 | 3,100 | 26 | 3,074 | 15.6 | 0.3 | 28.2 |
| 2001 | 16,042 | 121 | 15,921 | 82.0 | 1.4 | 153.4 | 2,960 | 26 | 2,934 | 14.8 | 0.3 | 26.7 |
| 2002 | 15,879 | 75 | 15,804 | 80.4 | 0.8 | 150.9 | 2,924 | 28 | 2,896 | 14.5 | 0.3 | 26.1 |
| 2003 | 14,667 | 98 | 14,569 | 73.7 | 1.1 | 138.5 | 2,883 | 24 | 2,859 | 14.1 | 0.3 | 25.6 |
| 2004 | 14,407 | 98 | 14,309 | 72.1 | 1.1 | 135.9 | 2,856 | 19 | 2,837 | 13.9 | 0.2 | 25.2 |
| 2005 | 14,765 | 104 | 14,661 | 73.5 | 1.1 | 138.7 | 2,844 | 23 | 2,821 | 13.7 | 0.2 | 25.0 |
| 2006 | 14,715 | 111 | 14,604 | 73.5 | 1.2 | 138.9 | 2,841 | 23 | 2,818 | 13.6 | 0.3 | 24.8 |
| 2007 | 15,134 | 99 | 15,035 | 74.9 | 1.1 | 142.1 | 2,783 | 22 | 2,761 | 13.2 | 0.2 | 24.0 |
| 2008 | 15,353 | 120 | 15,233 | 75.4 | 1.3 | 143.2 | 2,780 | 19 | 2,761 | 13.0 | 0.2 | 23.9 |
| 2009 | 15,459 | 119 | 15,340 | 75.5 | 1.2 | 143.6 | 2,833 | 20 | 2,813 | 13.2 | 0.2 | 24.4 |
| 2010 | 14,989 | 121 | 14,868 | 72.5 | 1.2 | 137.8 | 2,701 | 18 | 2,683 | 12.3 | 0.2 | 22.5 |
| 2011 | 15,308 | 140 | 15,168 | 73.8 | 1.4 | 140.7 | 2,683 | 21 | 2,662 | 12.2 | 0.2 | 22.5 |
| 2012 | 15,439 | 106 | 15,333 | 73.5 | 1.0 | 140.6 | 2,835 | 19 | 2,816 | 12.7 | 0.2 | 23.4 |
| 2013 | 15,438 | 119 | 15,319 | 72.8 | 1.2 | 139.5 | 2,686 | 25 | 2,661 | 11.9 | 0.2 | 21.9 |
| 2014 | 15,434 | 117 | 15,317 | 72.3 | 1.1 | 138.7 | 2,674 | 18 | 2,656 | 11.8 | 0.2 | 21.9 |
| 2015 | 15,824 | 149 | 15,675 | 73.4 | 1.4 | 140.8 | 2,689 | 27 | 2,662 | 11.6 | 0.3 | 21.4 |
| 2016 | 15,345 | 120 | 15,225 | 70.9 | 1.1 | 136.4 | 2,560 | 32 | 2,528 | 11.0 | 0.3 | 20.2 |
| 2017 | 15,430 | 116 | 15,314 | 71.4 | 1.1 | 137.8 | 2,731 | 23 | 2,708 | 11.7 | 0.2 | 21.7 |

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Rates based on fewer than 15 cases or deaths are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Five-Year Incidence and Mortality Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2013-2017, Invasive Breast Cancer

| Age at Diagnosis or Death | Incidence | | | | | | Mortality | | | | | |
|-------------------------------|---------------------|------|---------|-------------|------|--------|------------------|------|--------|-------------|------|--------|
| | New Cases 2013-2017 | | | Annual Rate | | | Deaths 2013-2017 | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| ALL RACES | | | | | | | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 2 | 0 | 2 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 12 | 0 | 12 | 0.1 | 0.0 | 0.2 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 20 - 24 | 109 | 2 | 107 | 0.8 | 0.0 | 1.5 | 7 | 0 | 7 | 0.1 | 0.0 | 0.1 |
| 25 - 29 | 652 | 0 | 652 | 4.4 | 0.0 | 9.0 | 50 | 0 | 50 | 0.3 | 0.0 | 0.7 |
| 30 - 34 | 1,868 | 8 | 1,860 | 13.2 | 0.1 | 26.9 | 183 | 2 | 181 | 1.3 | 0.0 | 2.6 |
| 35 - 39 | 3,812 | 8 | 3,804 | 29.2 | 0.1 | 58.7 | 387 | 2 | 385 | 3.0 | 0.0 | 5.9 |
| 40 - 44 | 7,858 | 18 | 7,840 | 61.3 | 0.3 | 122.3 | 786 | 1 | 785 | 6.1 | 0.0 | 12.2 |
| 45 - 49 | 11,949 | 44 | 11,905 | 92.2 | 0.7 | 183.8 | 1,173 | 7 | 1,166 | 9.1 | 0.1 | 18.0 |
| 50 - 54 | 14,665 | 58 | 14,607 | 112.3 | 0.9 | 221.8 | 1,838 | 10 | 1,828 | 14.1 | 0.2 | 27.8 |
| 55 - 59 | 16,130 | 100 | 16,030 | 130.2 | 1.6 | 253.2 | 2,408 | 15 | 2,393 | 19.4 | 0.3 | 37.8 |
| 60 - 64 | 18,197 | 117 | 18,080 | 171.8 | 2.3 | 327.5 | 2,672 | 20 | 2,652 | 25.2 | 0.4 | 48.0 |
| 65 - 69 | 18,812 | 150 | 18,662 | 218.6 | 3.7 | 409.3 | 2,599 | 34 | 2,565 | 30.2 | 0.8 | 56.3 |
| 70 - 74 | 15,060 | 134 | 14,926 | 245.8 | 4.8 | 449.7 | 2,323 | 29 | 2,294 | 37.9 | 1.0 | 69.1 |
| 75 - 79 | 10,305 | 115 | 10,190 | 236.9 | 6.0 | 421.3 | 2,158 | 29 | 2,129 | 49.6 | 1.5 | 88.0 |
| 80 - 84 | 7,217 | 110 | 7,107 | 229.3 | 8.3 | 391.3 | 1,946 | 24 | 1,922 | 61.8 | 1.8 | 105.8 |
| 85 + | 7,396 | 79 | 7,317 | 210.4 | 6.2 | 326.8 | 3,804 | 32 | 3,772 | 108.2 | 2.5 | 168.5 |
| Total/Crude | 134,044 | 943 | 133,101 | 68.8 | 1.0 | 135.7 | 22,334 | 205 | 22,129 | 11.5 | 0.2 | 22.6 |
| ASIAN/PACIFIC ISLANDER | | | | | | | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 1 | 0 | 1 | 0.1 | 0.0 | 0.1 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 20 - 24 | 14 | 1 | 13 | 0.7 | 0.1 | 1.4 | 1 | 0 | 1 | 0.1 | 0.0 | 0.1 |
| 25 - 29 | 101 | 0 | 101 | 4.2 | 0.0 | 8.4 | 5 | 0 | 5 | 0.2 | 0.0 | 0.4 |
| 30 - 34 | 335 | 4 | 331 | 14.2 | 0.4 | 26.7 | 27 | 1 | 26 | 1.1 | 0.1 | 2.1 |
| 35 - 39 | 750 | 1 | 749 | 33.7 | 0.1 | 63.1 | 56 | 0 | 56 | 2.5 | 0.0 | 4.7 |
| 40 - 44 | 1,608 | 2 | 1,606 | 70.9 | 0.2 | 131.7 | 127 | 1 | 126 | 5.6 | 0.1 | 10.3 |
| 45 - 49 | 2,232 | 9 | 2,223 | 105.3 | 0.9 | 195.3 | 192 | 0 | 192 | 9.1 | 0.0 | 16.9 |
| 50 - 54 | 2,441 | 8 | 2,433 | 120.0 | 0.9 | 222.2 | 260 | 1 | 259 | 12.8 | 0.1 | 23.7 |
| 55 - 59 | 2,472 | 12 | 2,460 | 128.8 | 1.4 | 234.7 | 334 | 2 | 332 | 17.4 | 0.2 | 31.7 |
| 60 - 64 | 2,643 | 11 | 2,632 | 156.3 | 1.5 | 281.7 | 337 | 1 | 336 | 19.9 | 0.1 | 36.0 |
| 65 - 69 | 2,353 | 8 | 2,345 | 173.3 | 1.3 | 310.9 | 283 | 2 | 281 | 20.9 | 0.3 | 37.3 |
| 70 - 74 | 1,645 | 9 | 1,636 | 176.1 | 2.2 | 314.7 | 213 | 3 | 210 | 22.8 | 0.7 | 40.4 |
| 75 - 79 | 1,043 | 10 | 1,033 | 149.6 | 3.3 | 261.7 | 190 | 1 | 189 | 27.3 | 0.3 | 47.9 |
| 80 - 84 | 658 | 9 | 649 | 132.4 | 4.4 | 221.5 | 146 | 0 | 146 | 29.4 | 0.0 | 49.8 |
| 85 + | 556 | 2 | 554 | 108.6 | 1.1 | 172.0 | 289 | 4 | 285 | 56.5 | 2.1 | 88.5 |
| Total/Crude | 18,852 | 86 | 18,766 | 64.1 | 0.6 | 121.5 | 2,460 | 16 | 2,444 | 8.4 | 0.1 | 15.8 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Five-Year Incidence and Mortality Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2013-2017, Invasive Breast Cancer (continued)

| Age at Diagnosis or Death | Incidence | | | | | | Mortality | | | | | |
|---------------------------------|---------------------|------|--------|-------------|------|--------|------------------|------|--------|-------------|------|--------|
| | New Cases 2013-2017 | | | Annual Rate | | | Deaths 2013-2017 | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| NON-HISPANIC BLACK | | | | | | | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 1 | 0 | 1 | 0.1 | 0.0 | 0.3 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 1 | 0 | 1 | 0.1 | 0.0 | 0.2 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 20 - 24 | 11 | 0 | 11 | 1.1 | 0.0 | 2.3 | 3 | 0 | 3 | 0.3 | 0.0 | 0.6 |
| 25 - 29 | 59 | 0 | 59 | 5.9 | 0.0 | 12.3 | 10 | 0 | 10 | 1.0 | 0.0 | 2.1 |
| 30 - 34 | 140 | 1 | 139 | 16.5 | 0.2 | 33.8 | 33 | 0 | 33 | 3.9 | 0.0 | 8.0 |
| 35 - 39 | 260 | 2 | 258 | 33.9 | 0.5 | 67.6 | 54 | 1 | 53 | 7.0 | 0.3 | 13.9 |
| 40 - 44 | 439 | 2 | 437 | 58.7 | 0.5 | 117.0 | 72 | 0 | 72 | 9.6 | 0.0 | 19.3 |
| 45 - 49 | 760 | 7 | 753 | 93.4 | 1.7 | 184.4 | 166 | 4 | 162 | 20.4 | 1.0 | 39.7 |
| 50 - 54 | 1,034 | 6 | 1,028 | 119.1 | 1.4 | 233.5 | 219 | 2 | 217 | 25.2 | 0.5 | 49.3 |
| 55 - 59 | 1,168 | 16 | 1,152 | 143.4 | 4.0 | 275.7 | 268 | 2 | 266 | 32.9 | 0.5 | 63.7 |
| 60 - 64 | 1,136 | 9 | 1,127 | 176.8 | 3.0 | 331.6 | 248 | 4 | 244 | 38.6 | 1.3 | 71.8 |
| 65 - 69 | 1,104 | 12 | 1,092 | 228.9 | 5.5 | 411.7 | 252 | 6 | 246 | 52.2 | 2.8 | 92.8 |
| 70 - 74 | 877 | 12 | 865 | 264.4 | 8.4 | 459.3 | 168 | 3 | 165 | 50.6 | 2.1 | 87.6 |
| 75 - 79 | 672 | 6 | 666 | 275.8 | 5.8 | 473.7 | 176 | 4 | 172 | 72.2 | 3.9 | 122.4 |
| 80 - 84 | 412 | 4 | 408 | 256.6 | 6.3 | 421.5 | 143 | 3 | 140 | 89.1 | 4.7 | 144.6 |
| 85 + | 402 | 4 | 398 | 259.3 | 8.0 | 379.7 | 220 | 5 | 215 | 141.9 | 10.0 | 205.1 |
| Total/Crude | 8,476 | 81 | 8,395 | 70.1 | 1.4 | 137.5 | 2,032 | 34 | 1,998 | 16.8 | 0.6 | 32.7 |
| HISPANIC | | | | | | | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 4 | 0 | 4 | 0.1 | 0.0 | 0.1 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 20 - 24 | 50 | 1 | 49 | 0.7 | 0.0 | 1.5 | 2 | 0 | 2 | 0.0 | 0.0 | 0.1 |
| 25 - 29 | 250 | 0 | 250 | 4.0 | 0.0 | 8.4 | 26 | 0 | 26 | 0.4 | 0.0 | 0.9 |
| 30 - 34 | 648 | 2 | 646 | 11.1 | 0.1 | 23.0 | 60 | 1 | 59 | 1.0 | 0.0 | 2.1 |
| 35 - 39 | 1,309 | 2 | 1,307 | 23.9 | 0.1 | 48.6 | 151 | 0 | 151 | 2.8 | 0.0 | 5.6 |
| 40 - 44 | 2,503 | 7 | 2,496 | 48.2 | 0.3 | 96.6 | 299 | 0 | 299 | 5.8 | 0.0 | 11.6 |
| 45 - 49 | 3,444 | 11 | 3,433 | 71.9 | 0.5 | 145.5 | 375 | 2 | 373 | 7.8 | 0.1 | 15.8 |
| 50 - 54 | 3,662 | 14 | 3,648 | 88.4 | 0.7 | 176.4 | 499 | 3 | 496 | 12.1 | 0.1 | 24.0 |
| 55 - 59 | 3,431 | 10 | 3,421 | 101.9 | 0.6 | 198.7 | 576 | 3 | 573 | 17.1 | 0.2 | 33.3 |
| 60 - 64 | 3,418 | 18 | 3,400 | 136.1 | 1.5 | 257.6 | 580 | 0 | 580 | 23.1 | 0.0 | 43.9 |
| 65 - 69 | 3,098 | 18 | 3,080 | 174.1 | 2.2 | 320.9 | 451 | 4 | 447 | 25.4 | 0.5 | 46.6 |
| 70 - 74 | 2,114 | 15 | 2,099 | 176.6 | 2.9 | 311.8 | 335 | 2 | 333 | 28.0 | 0.4 | 49.5 |
| 75 - 79 | 1,379 | 13 | 1,366 | 165.2 | 3.7 | 282.4 | 297 | 2 | 295 | 35.6 | 0.6 | 61.0 |
| 80 - 84 | 938 | 15 | 923 | 161.5 | 6.4 | 266.2 | 276 | 5 | 271 | 47.5 | 2.1 | 78.2 |
| 85 + | 776 | 13 | 763 | 135.0 | 6.2 | 209.8 | 423 | 6 | 417 | 73.6 | 2.8 | 114.7 |
| Total/Crude | 27,024 | 139 | 26,885 | 35.8 | 0.4 | 71.6 | 4,350 | 28 | 4,322 | 5.8 | 0.1 | 11.5 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Five-Year Incidence and Mortality Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2013-2017, Invasive Breast Cancer (continued)

| Age at Diagnosis or Death | Incidence | | | | | | Mortality | | | | | |
|---------------------------------|---------------------|------|--------|-------------|------|--------|------------------|------|--------|-------------|------|--------|
| | New Cases 2013-2017 | | | Annual Rate | | | Deaths 2013-2017 | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| NON-HISPANIC WHITE | | | | | | | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 1 | 0 | 1 | 0.0 | 0.0 | 0.1 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 6 | 0 | 6 | 0.2 | 0.0 | 0.3 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 20 - 24 | 32 | 0 | 32 | 0.7 | 0.0 | 1.5 | 1 | 0 | 1 | 0.0 | 0.0 | 0.1 |
| 25 - 29 | 230 | 0 | 230 | 4.4 | 0.0 | 9.1 | 8 | 0 | 8 | 0.2 | 0.0 | 0.3 |
| 30 - 34 | 716 | 1 | 715 | 14.2 | 0.0 | 29.5 | 60 | 0 | 60 | 1.2 | 0.0 | 2.5 |
| 35 - 39 | 1,421 | 3 | 1,418 | 31.4 | 0.1 | 64.8 | 124 | 1 | 123 | 2.7 | 0.0 | 5.6 |
| 40 - 44 | 3,187 | 7 | 3,180 | 70.3 | 0.3 | 144.4 | 281 | 0 | 281 | 6.2 | 0.0 | 12.8 |
| 45 - 49 | 5,316 | 17 | 5,299 | 103.0 | 0.6 | 209.0 | 432 | 1 | 431 | 8.4 | 0.0 | 17.0 |
| 50 - 54 | 7,275 | 30 | 7,245 | 122.5 | 1.0 | 246.3 | 849 | 4 | 845 | 14.3 | 0.1 | 28.7 |
| 55 - 59 | 8,796 | 61 | 8,735 | 141.5 | 2.0 | 281.5 | 1,210 | 8 | 1,202 | 19.5 | 0.3 | 38.7 |
| 60 - 64 | 10,667 | 74 | 10,593 | 187.8 | 2.7 | 366.3 | 1,482 | 15 | 1,467 | 26.1 | 0.5 | 50.7 |
| 65 - 69 | 11,957 | 109 | 11,848 | 242.2 | 4.6 | 464.1 | 1,599 | 22 | 1,577 | 32.4 | 0.9 | 61.8 |
| 70 - 74 | 10,179 | 94 | 10,085 | 280.5 | 5.5 | 525.4 | 1,587 | 19 | 1,568 | 43.7 | 1.1 | 81.7 |
| 75 - 79 | 7,043 | 86 | 6,957 | 275.9 | 7.4 | 501.3 | 1,480 | 22 | 1,458 | 58.0 | 1.9 | 105.1 |
| 80 - 84 | 5,104 | 80 | 5,024 | 269.3 | 9.7 | 468.6 | 1,368 | 16 | 1,352 | 72.2 | 1.9 | 126.1 |
| 85 + | 5,541 | 59 | 5,482 | 245.3 | 7.2 | 380.7 | 2,859 | 17 | 2,842 | 126.6 | 2.1 | 197.4 |
| Total/Crude | 77,471 | 621 | 76,850 | 100.8 | 1.6 | 199.7 | 13,340 | 125 | 13,215 | 17.4 | 0.3 | 34.3 |

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: In situ cancers are excluded, unless specified.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, In Situ Breast Cancer

| Year of Diagnosis | Incidence | | | | | |
|-------------------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female |
| ALL RACES | | | | | | |
| 1988 | 2,016 | 5 | 2,011 | 8.5 | - | 16.0 |
| 1989 | 1,970 | 7 | 1,963 | 8.2 | - | 15.3 |
| 1990 | 2,292 | 4 | 2,288 | 9.3 | - | 17.5 |
| 1991 | 2,562 | 14 | 2,548 | 10.2 | - | 19.1 |
| 1992 | 2,676 | 8 | 2,668 | 10.4 | - | 19.5 |
| 1993 | 2,543 | 6 | 2,537 | 9.8 | - | 18.2 |
| 1994 | 2,760 | 8 | 2,752 | 10.4 | - | 19.5 |
| 1995 | 3,005 | 21 | 2,984 | 11.2 | 0.2 | 20.8 |
| 1996 | 3,247 | 16 | 3,231 | 11.8 | 0.1 | 22.2 |
| 1997 | 3,528 | 17 | 3,511 | 12.5 | 0.1 | 23.5 |
| 1998 | 3,901 | 11 | 3,890 | 13.5 | - | 25.3 |
| 1999 | 4,222 | 20 | 4,202 | 14.2 | 0.1 | 26.6 |
| 2000 | 4,356 | 19 | 4,337 | 14.3 | 0.1 | 26.8 |
| 2001 | 4,563 | 14 | 4,549 | 14.6 | - | 27.4 |
| 2002 | 4,615 | 12 | 4,603 | 14.4 | - | 27.2 |
| 2003 | 4,547 | 13 | 4,534 | 13.9 | - | 26.1 |
| 2004 | 4,746 | 16 | 4,730 | 14.1 | 0.1 | 26.7 |
| 2005 | 5,000 | 21 | 4,979 | 14.6 | 0.1 | 27.5 |
| 2006 | 5,090 | 16 | 5,074 | 14.6 | 0.1 | 27.7 |
| 2007 | 5,352 | 25 | 5,327 | 15.1 | 0.2 | 28.6 |
| 2008 | 5,723 | 14 | 5,709 | 15.8 | - | 30.1 |
| 2009 | 5,966 | 22 | 5,944 | 16.1 | 0.1 | 30.6 |
| 2010 | 5,501 | 17 | 5,484 | 14.5 | 0.1 | 27.6 |
| 2011 | 5,734 | 12 | 5,722 | 14.8 | - | 28.3 |
| 2012 | 5,861 | 17 | 5,844 | 14.8 | 0.1 | 28.3 |
| 2013 | 6,130 | 14 | 6,116 | 15.3 | - | 29.1 |
| 2014 | 6,100 | 23 | 6,077 | 14.8 | 0.1 | 28.2 |
| 2015 | 6,188 | 26 | 6,162 | 14.7 | 0.1 | 28.0 |
| 2016 | 5,950 | 14 | 5,936 | 13.9 | - | 26.6 |
| 2017 | 6,237 | 22 | 6,215 | 14.4 | 0.1 | 27.5 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Rates based on fewer than 15 cases are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, In Situ Breast Cancer (continued)

| Year of Diagnosis | Incidence | | | | | |
|-------------------------------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female |
| ASIAN/PACIFIC ISLANDER | | | | | | |
| 1988 | 84 | 0 | 84 | 4.5 | - | 8.4 |
| 1989 | 94 | 1 | 93 | 5.0 | - | 9.2 |
| 1990 | 127 | 0 | 127 | 6.2 | - | 11.6 |
| 1991 | 149 | 0 | 149 | 6.6 | - | 12.2 |
| 1992 | 142 | 1 | 141 | 5.9 | - | 10.8 |
| 1993 | 160 | 0 | 160 | 6.3 | - | 11.7 |
| 1994 | 212 | 1 | 211 | 7.8 | - | 14.2 |
| 1995 | 237 | 1 | 236 | 8.6 | - | 15.7 |
| 1996 | 279 | 0 | 279 | 9.4 | - | 17.3 |
| 1997 | 310 | 3 | 307 | 9.8 | - | 17.8 |
| 1998 | 338 | 0 | 338 | 10.1 | - | 18.6 |
| 1999 | 414 | 0 | 414 | 11.7 | - | 21.6 |
| 2000 | 479 | 1 | 478 | 13.1 | - | 23.9 |
| 2001 | 518 | 1 | 517 | 13.3 | - | 24.4 |
| 2002 | 588 | 1 | 587 | 14.6 | - | 26.6 |
| 2003 | 549 | 3 | 546 | 13.1 | - | 23.7 |
| 2004 | 576 | 2 | 574 | 12.9 | - | 23.5 |
| 2005 | 628 | 6 | 622 | 13.7 | - | 24.7 |
| 2006 | 690 | 0 | 690 | 14.5 | - | 26.4 |
| 2007 | 776 | 2 | 774 | 15.6 | - | 28.4 |
| 2008 | 854 | 0 | 854 | 16.5 | - | 30.1 |
| 2009 | 935 | 1 | 934 | 17.5 | - | 31.8 |
| 2010 | 917 | 1 | 916 | 16.5 | - | 30.1 |
| 2011 | 946 | 0 | 946 | 16.3 | - | 29.8 |
| 2012 | 1,039 | 1 | 1,038 | 17.5 | - | 31.8 |
| 2013 | 1,078 | 2 | 1,076 | 17.3 | - | 31.5 |
| 2014 | 1,107 | 0 | 1,107 | 17.1 | - | 31.2 |
| 2015 | 1,175 | 4 | 1,171 | 17.5 | - | 31.8 |
| 2016 | 1,147 | 2 | 1,145 | 16.6 | - | 30.2 |
| 2017 | 1,224 | 2 | 1,222 | 17.2 | - | 31.3 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Rates based on fewer than 15 cases are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, In Situ Breast Cancer (continued)

| Year of Diagnosis | Incidence | | | | | |
|---------------------------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female |
| NON-HISPANIC BLACK | | | | | | |
| 1988 | 89 | 0 | 89 | 6.6 | - | 11.9 |
| 1989 | 100 | 2 | 98 | 7.2 | - | 12.6 |
| 1990 | 107 | 0 | 107 | 7.4 | - | 13.3 |
| 1991 | 136 | 1 | 135 | 9.4 | - | 16.7 |
| 1992 | 131 | 1 | 130 | 8.6 | - | 15.5 |
| 1993 | 135 | 1 | 134 | 8.9 | - | 16.0 |
| 1994 | 163 | 0 | 163 | 10.8 | - | 19.3 |
| 1995 | 174 | 2 | 172 | 11.1 | - | 19.8 |
| 1996 | 179 | 0 | 179 | 11.0 | - | 19.9 |
| 1997 | 211 | 2 | 209 | 12.6 | - | 22.6 |
| 1998 | 202 | 1 | 201 | 11.7 | - | 21.1 |
| 1999 | 243 | 3 | 240 | 13.9 | - | 24.8 |
| 2000 | 248 | 1 | 247 | 13.7 | - | 24.7 |
| 2001 | 228 | 1 | 227 | 12.3 | - | 22.3 |
| 2002 | 238 | 1 | 237 | 12.2 | - | 22.5 |
| 2003 | 270 | 2 | 268 | 13.8 | - | 25.1 |
| 2004 | 315 | 2 | 313 | 15.6 | - | 28.4 |
| 2005 | 307 | 2 | 305 | 14.8 | - | 27.0 |
| 2006 | 310 | 2 | 308 | 14.7 | - | 26.9 |
| 2007 | 347 | 4 | 343 | 16.3 | - | 29.8 |
| 2008 | 344 | 1 | 343 | 16.4 | - | 29.8 |
| 2009 | 363 | 0 | 363 | 16.3 | - | 30.2 |
| 2010 | 343 | 1 | 342 | 14.9 | - | 27.8 |
| 2011 | 368 | 2 | 366 | 15.9 | - | 29.3 |
| 2012 | 418 | 3 | 415 | 17.6 | - | 32.5 |
| 2013 | 420 | 1 | 419 | 17.3 | - | 32.2 |
| 2014 | 401 | 1 | 400 | 15.8 | - | 29.5 |
| 2015 | 422 | 2 | 420 | 17.1 | - | 31.7 |
| 2016 | 392 | 3 | 389 | 15.2 | - | 28.2 |
| 2017 | 406 | 2 | 404 | 15.6 | - | 29.0 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Rates based on fewer than 15 cases are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, In Situ Breast Cancer (continued)

| Year of Diagnosis | Incidence | | | | | |
|-------------------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female |
| HISPANIC | | | | | | |
| 1988 | 133 | 0 | 133 | 3.7 | - | 7.1 |
| 1989 | 138 | 0 | 138 | 3.8 | - | 7.1 |
| 1990 | 191 | 0 | 191 | 5.2 | - | 9.8 |
| 1991 | 208 | 2 | 206 | 5.5 | - | 10.2 |
| 1992 | 231 | 3 | 228 | 5.6 | - | 10.5 |
| 1993 | 228 | 0 | 228 | 5.7 | - | 10.6 |
| 1994 | 253 | 0 | 253 | 6.0 | - | 11.1 |
| 1995 | 240 | 2 | 238 | 5.4 | - | 10.0 |
| 1996 | 281 | 0 | 281 | 6.0 | - | 11.3 |
| 1997 | 322 | 1 | 321 | 7.0 | - | 12.8 |
| 1998 | 435 | 4 | 431 | 8.7 | - | 16.0 |
| 1999 | 434 | 1 | 433 | 8.2 | - | 15.2 |
| 2000 | 486 | 0 | 486 | 8.7 | - | 16.2 |
| 2001 | 537 | 2 | 535 | 9.1 | - | 16.8 |
| 2002 | 568 | 1 | 567 | 9.1 | - | 16.9 |
| 2003 | 632 | 2 | 630 | 9.5 | - | 17.6 |
| 2004 | 636 | 0 | 636 | 9.1 | - | 17.0 |
| 2005 | 768 | 1 | 767 | 10.6 | - | 19.8 |
| 2006 | 771 | 2 | 769 | 10.0 | - | 18.7 |
| 2007 | 821 | 3 | 818 | 10.3 | - | 19.3 |
| 2008 | 871 | 2 | 869 | 10.3 | - | 19.3 |
| 2009 | 900 | 1 | 899 | 10.1 | - | 19.0 |
| 2010 | 868 | 2 | 866 | 9.6 | - | 17.9 |
| 2011 | 936 | 2 | 934 | 9.8 | - | 18.5 |
| 2012 | 1,076 | 5 | 1,071 | 10.7 | - | 20.1 |
| 2013 | 1,168 | 3 | 1,165 | 11.2 | - | 21.2 |
| 2014 | 1,204 | 5 | 1,199 | 10.9 | - | 20.7 |
| 2015 | 1,225 | 2 | 1,223 | 10.8 | - | 20.6 |
| 2016 | 1,254 | 1 | 1,253 | 10.7 | - | 20.4 |
| 2017 | 1,350 | 0 | 1,350 | 11.4 | - | 21.6 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Rates based on fewer than 15 cases are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-2017, In Situ Breast Cancer (continued)

| Year of Diagnosis | Incidence | | | | | |
|---------------------------|-----------|------|--------|-------------|------|--------|
| | New Cases | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female |
| NON-HISPANIC WHITE | | | | | | |
| 1988 | 1,688 | 5 | 1,683 | 10.0 | - | 19.0 |
| 1989 | 1,620 | 4 | 1,616 | 9.5 | - | 17.9 |
| 1990 | 1,835 | 4 | 1,831 | 10.6 | - | 20.1 |
| 1991 | 2,042 | 11 | 2,031 | 11.7 | - | 22.1 |
| 1992 | 2,121 | 3 | 2,118 | 12.0 | - | 22.8 |
| 1993 | 1,978 | 5 | 1,973 | 11.1 | - | 20.8 |
| 1994 | 2,096 | 5 | 2,091 | 11.7 | - | 22.1 |
| 1995 | 2,308 | 16 | 2,292 | 12.8 | 0.2 | 24.2 |
| 1996 | 2,447 | 15 | 2,432 | 13.6 | 0.2 | 25.8 |
| 1997 | 2,631 | 11 | 2,620 | 14.3 | - | 27.2 |
| 1998 | 2,862 | 6 | 2,856 | 15.3 | - | 29.1 |
| 1999 | 3,084 | 16 | 3,068 | 16.3 | 0.2 | 30.9 |
| 2000 | 3,093 | 17 | 3,076 | 16.1 | 0.2 | 30.6 |
| 2001 | 3,233 | 10 | 3,223 | 16.7 | - | 31.8 |
| 2002 | 3,174 | 9 | 3,165 | 16.2 | - | 31.0 |
| 2003 | 3,047 | 5 | 3,042 | 15.4 | - | 29.5 |
| 2004 | 3,161 | 12 | 3,149 | 15.9 | - | 30.4 |
| 2005 | 3,245 | 11 | 3,234 | 16.2 | - | 31.2 |
| 2006 | 3,253 | 12 | 3,241 | 16.3 | - | 31.4 |
| 2007 | 3,345 | 16 | 3,329 | 16.8 | 0.2 | 32.4 |
| 2008 | 3,580 | 11 | 3,569 | 17.9 | - | 34.7 |
| 2009 | 3,683 | 19 | 3,664 | 18.2 | 0.2 | 35.2 |
| 2010 | 3,308 | 12 | 3,296 | 16.2 | - | 31.5 |
| 2011 | 3,384 | 6 | 3,378 | 16.5 | - | 32.1 |
| 2012 | 3,231 | 8 | 3,223 | 15.6 | - | 30.4 |
| 2013 | 3,359 | 8 | 3,351 | 16.3 | - | 31.8 |
| 2014 | 3,279 | 16 | 3,263 | 15.7 | 0.1 | 30.7 |
| 2015 | 3,235 | 17 | 3,218 | 15.3 | 0.2 | 29.8 |
| 2016 | 3,035 | 8 | 3,027 | 14.4 | - | 28.2 |
| 2017 | 3,068 | 16 | 3,052 | 14.6 | 0.1 | 28.6 |

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Rates based on fewer than 15 cases are not shown.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Five-Year Incidence Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2013-2017, In Situ Breast Cancer

| Age at Diagnosis or Death | Incidence | | | | | |
|---------------------------------|---------------------|------|--------|-------------|------|--------|
| | New Cases 2013-2017 | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female |
| ALL RACES | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 3 | 2 | 1 | 0.0 | 0.0 | 0.0 |
| 20 - 24 | 9 | 0 | 9 | 0.1 | 0.0 | 0.1 |
| 25 - 29 | 61 | 2 | 59 | 0.4 | 0.0 | 0.8 |
| 30 - 34 | 174 | 0 | 174 | 1.2 | 0.0 | 2.5 |
| 35 - 39 | 499 | 0 | 499 | 3.8 | 0.0 | 7.7 |
| 40 - 44 | 2,137 | 1 | 2,136 | 16.7 | 0.0 | 33.3 |
| 45 - 49 | 3,475 | 3 | 3,472 | 26.8 | 0.0 | 53.6 |
| 50 - 54 | 4,184 | 7 | 4,177 | 32.0 | 0.1 | 63.4 |
| 55 - 59 | 4,191 | 19 | 4,172 | 33.8 | 0.3 | 65.9 |
| 60 - 64 | 4,371 | 17 | 4,354 | 41.3 | 0.3 | 78.9 |
| 65 - 69 | 4,592 | 15 | 4,577 | 53.3 | 0.4 | 100.4 |
| 70 - 74 | 3,354 | 17 | 3,337 | 54.7 | 0.6 | 100.5 |
| 75 - 79 | 1,850 | 9 | 1,841 | 42.5 | 0.5 | 76.1 |
| 80 - 84 | 1,107 | 7 | 1,100 | 35.2 | 0.5 | 60.6 |
| 85 + | 598 | 0 | 598 | 17.0 | 0.0 | 26.7 |
| Total/Crude | 30,605 | 99 | 30,506 | 15.7 | 0.1 | 31.1 |
| ASIAN/PACIFIC ISLANDER | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 20 - 24 | 1 | 0 | 1 | 0.1 | 0.0 | 0.1 |
| 25 - 29 | 17 | 0 | 17 | 0.7 | 0.0 | 1.4 |
| 30 - 34 | 27 | 0 | 27 | 1.1 | 0.0 | 2.2 |
| 35 - 39 | 104 | 0 | 104 | 4.7 | 0.0 | 8.8 |
| 40 - 44 | 508 | 0 | 508 | 22.4 | 0.0 | 41.7 |
| 45 - 49 | 797 | 0 | 797 | 37.6 | 0.0 | 70.0 |
| 50 - 54 | 831 | 1 | 830 | 40.8 | 0.1 | 75.8 |
| 55 - 59 | 790 | 1 | 789 | 41.2 | 0.1 | 75.3 |
| 60 - 64 | 816 | 3 | 813 | 48.3 | 0.4 | 87.0 |
| 65 - 69 | 853 | 2 | 851 | 62.8 | 0.3 | 112.8 |
| 70 - 74 | 515 | 3 | 512 | 55.1 | 0.7 | 98.5 |
| 75 - 79 | 259 | 0 | 259 | 37.2 | 0.0 | 65.6 |
| 80 - 84 | 142 | 0 | 142 | 28.6 | 0.0 | 48.5 |
| 85 + | 71 | 0 | 71 | 13.9 | 0.0 | 22.0 |
| Total/Crude | 5,731 | 10 | 5,721 | 19.5 | 0.1 | 37.0 |

(Table Continues)

Five-Year Incidence Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2013-2017, In Situ Breast Cancer (continued)

| Age at Diagnosis or Death | Incidence | | | | | |
|---------------------------------|---------------------|------|--------|-------------|------|--------|
| | New Cases 2013-2017 | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female |
| NON-HISPANIC BLACK | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 20 - 24 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 25 - 29 | 7 | 0 | 7 | 0.7 | 0.0 | 1.5 |
| 30 - 34 | 13 | 0 | 13 | 1.5 | 0.0 | 3.2 |
| 35 - 39 | 39 | 0 | 39 | 5.1 | 0.0 | 10.2 |
| 40 - 44 | 101 | 0 | 101 | 13.5 | 0.0 | 27.0 |
| 45 - 49 | 170 | 1 | 169 | 20.9 | 0.2 | 41.4 |
| 50 - 54 | 267 | 2 | 265 | 30.7 | 0.5 | 60.2 |
| 55 - 59 | 305 | 2 | 303 | 37.4 | 0.5 | 72.5 |
| 60 - 64 | 324 | 2 | 322 | 50.4 | 0.7 | 94.7 |
| 65 - 69 | 326 | 0 | 326 | 67.6 | 0.0 | 122.9 |
| 70 - 74 | 261 | 1 | 260 | 78.7 | 0.7 | 138.1 |
| 75 - 79 | 136 | 1 | 135 | 55.8 | 1.0 | 96.0 |
| 80 - 84 | 59 | 0 | 59 | 36.7 | 0.0 | 60.9 |
| 85 + | 33 | 0 | 33 | 21.3 | 0.0 | 31.5 |
| Total/Crude | 2,041 | 9 | 2,032 | 16.9 | 0.2 | 33.3 |
| HISPANIC | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 3 | 2 | 1 | 0.0 | 0.1 | 0.0 |
| 20 - 24 | 4 | 0 | 4 | 0.1 | 0.0 | 0.1 |
| 25 - 29 | 17 | 0 | 17 | 0.3 | 0.0 | 0.6 |
| 30 - 34 | 53 | 0 | 53 | 0.9 | 0.0 | 1.9 |
| 35 - 39 | 140 | 0 | 140 | 2.6 | 0.0 | 5.2 |
| 40 - 44 | 595 | 0 | 595 | 11.5 | 0.0 | 23.0 |
| 45 - 49 | 906 | 0 | 906 | 18.9 | 0.0 | 38.4 |
| 50 - 54 | 992 | 0 | 992 | 24.0 | 0.0 | 48.0 |
| 55 - 59 | 890 | 5 | 885 | 26.4 | 0.3 | 51.4 |
| 60 - 64 | 839 | 0 | 839 | 33.4 | 0.0 | 63.6 |
| 65 - 69 | 773 | 2 | 771 | 43.4 | 0.2 | 80.3 |
| 70 - 74 | 515 | 0 | 515 | 43.0 | 0.0 | 76.5 |
| 75 - 79 | 278 | 1 | 277 | 33.3 | 0.3 | 57.3 |
| 80 - 84 | 127 | 1 | 126 | 21.9 | 0.4 | 36.3 |
| 85 + | 69 | 0 | 69 | 12.0 | 0.0 | 19.0 |
| Total/Crude | 6,201 | 11 | 6,190 | 8.2 | 0.0 | 16.5 |

(Table Continues)

Five-Year Incidence Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 2013-2017, In Situ Breast Cancer (continued)

| Age at Diagnosis or Death | Incidence | | | | | |
|---------------------------------|---------------------|------|--------|-------------|------|--------|
| | New Cases 2013-2017 | | | Annual Rate | | |
| | Total | Male | Female | Total | Male | Female |
| NON-HISPANIC WHITE | | | | | | |
| 00 - 04 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 05 - 09 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 10 - 14 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 15 - 19 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| 20 - 24 | 3 | 0 | 3 | 0.1 | 0.0 | 0.1 |
| 25 - 29 | 20 | 2 | 18 | 0.4 | 0.1 | 0.7 |
| 30 - 34 | 77 | 0 | 77 | 1.5 | 0.0 | 3.2 |
| 35 - 39 | 204 | 0 | 204 | 4.5 | 0.0 | 9.3 |
| 40 - 44 | 883 | 1 | 882 | 19.5 | 0.0 | 40.0 |
| 45 - 49 | 1,527 | 2 | 1,525 | 29.6 | 0.1 | 60.2 |
| 50 - 54 | 1,993 | 3 | 1,990 | 33.6 | 0.1 | 67.6 |
| 55 - 59 | 2,120 | 11 | 2,109 | 34.1 | 0.4 | 68.0 |
| 60 - 64 | 2,286 | 12 | 2,274 | 40.2 | 0.4 | 78.6 |
| 65 - 69 | 2,559 | 10 | 2,549 | 51.8 | 0.4 | 99.9 |
| 70 - 74 | 1,996 | 11 | 1,985 | 55.0 | 0.6 | 103.4 |
| 75 - 79 | 1,141 | 7 | 1,134 | 44.7 | 0.6 | 81.7 |
| 80 - 84 | 754 | 6 | 748 | 39.8 | 0.7 | 69.8 |
| 85 + | 413 | 0 | 413 | 18.3 | 0.0 | 28.7 |
| Total/Crude | 15,976 | 65 | 15,911 | 20.8 | 0.2 | 41.3 |

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Females by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2017, Invasive Female Breast Cancer

| Year of Diagnosis | Stage at Diagnosis | | | | | | | | | | | |
|-------------------|--------------------|------|-----------|------|-----------|------|-----------|------|----------|------|---------------|------|
| | Stage I | | Stage IIa | | Stage IIb | | Stage III | | Stage IV | | Unknown Stage | |
| | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate |
| ALL RACES | | | | | | | | | | | | |
| 1988 | 4,388 | 33.6 | 2,945 | 22.8 | 1,489 | 11.6 | 635 | 4.9 | 506 | 3.9 | 6,585 | 50.9 |
| 1989 | 4,417 | 33.1 | 2,936 | 22.3 | 1,473 | 11.2 | 642 | 4.9 | 500 | 3.8 | 6,205 | 47.2 |
| 1990 | 4,970 | 36.7 | 3,015 | 22.4 | 1,489 | 11.2 | 684 | 5.1 | 522 | 3.9 | 6,291 | 46.9 |
| 1991 | 5,410 | 39.3 | 3,134 | 23.0 | 1,500 | 11.1 | 679 | 5.0 | 495 | 3.6 | 6,051 | 44.3 |
| 1992 | 7,688 | 54.8 | 4,379 | 31.4 | 2,193 | 15.7 | 973 | 7.0 | 723 | 5.1 | 1,960 | 14.0 |
| 1993 | 7,646 | 53.9 | 4,285 | 30.2 | 2,134 | 15.1 | 983 | 6.9 | 800 | 5.6 | 1,750 | 12.3 |
| 1994 | 8,039 | 56.0 | 4,282 | 29.9 | 2,105 | 14.7 | 1,084 | 7.6 | 772 | 5.4 | 1,682 | 11.6 |
| 1995 | 8,342 | 57.1 | 4,663 | 32.1 | 2,276 | 15.7 | 1,113 | 7.7 | 720 | 4.9 | 1,502 | 10.2 |
| 1996 | 9,005 | 60.9 | 4,618 | 31.3 | 2,292 | 15.6 | 1,147 | 7.8 | 810 | 5.5 | 1,531 | 10.2 |
| 1997 | 9,330 | 61.5 | 4,738 | 31.3 | 2,317 | 15.3 | 1,177 | 7.7 | 764 | 5.0 | 1,589 | 10.3 |
| 1998 | 9,399 | 60.6 | 4,974 | 32.0 | 2,585 | 16.7 | 1,309 | 8.4 | 802 | 5.1 | 1,680 | 10.7 |
| 1999 | 9,632 | 60.6 | 4,972 | 31.2 | 2,590 | 16.2 | 1,382 | 8.6 | 829 | 5.2 | 1,889 | 11.7 |
| 2000 | 10,017 | 61.6 | 5,415 | 33.2 | 2,675 | 16.4 | 1,495 | 9.1 | 836 | 5.1 | 1,214 | 7.3 |
| 2001 | 10,196 | 61.4 | 5,410 | 32.4 | 2,844 | 17.0 | 1,414 | 8.4 | 856 | 5.1 | 1,187 | 7.0 |
| 2002 | 10,237 | 60.3 | 5,550 | 32.6 | 2,905 | 17.0 | 1,372 | 8.0 | 939 | 5.5 | 1,195 | 6.9 |
| 2003 | 9,483 | 54.6 | 5,188 | 29.7 | 2,899 | 16.6 | 1,343 | 7.7 | 863 | 4.9 | 1,208 | 6.8 |
| 2004 | 9,319 | 52.7 | 4,795 | 27.0 | 2,094 | 11.8 | 2,541 | 14.3 | 965 | 5.4 | 1,513 | 8.4 |
| 2005 | 9,784 | 54.2 | 5,040 | 27.9 | 2,077 | 11.5 | 2,616 | 14.5 | 1,021 | 5.6 | 1,398 | 7.6 |
| 2006 | 9,841 | 54.0 | 5,046 | 27.6 | 2,107 | 11.5 | 2,617 | 14.3 | 1,043 | 5.7 | 1,407 | 7.5 |
| 2007 | 10,226 | 54.8 | 5,193 | 27.9 | 2,226 | 12.0 | 2,739 | 14.7 | 1,162 | 6.2 | 1,547 | 8.1 |
| 2008 | 10,675 | 56.0 | 5,408 | 28.5 | 2,346 | 12.4 | 2,827 | 14.9 | 1,132 | 5.9 | 1,475 | 7.6 |
| 2009 | 10,948 | 56.4 | 5,431 | 27.9 | 2,287 | 11.9 | 2,660 | 13.8 | 1,188 | 6.1 | 1,442 | 7.3 |
| 2010 | 11,249 | 56.5 | 4,929 | 24.9 | 2,434 | 12.4 | 2,633 | 13.3 | 1,267 | 6.3 | 1,162 | 5.8 |
| 2011 | 11,776 | 58.0 | 5,181 | 25.7 | 2,705 | 13.5 | 2,754 | 13.8 | 1,295 | 6.4 | 1,064 | 5.1 |
| 2012 | 12,041 | 57.7 | 5,324 | 25.8 | 2,681 | 13.1 | 2,764 | 13.5 | 1,347 | 6.5 | 1,055 | 5.0 |
| 2013 | 12,393 | 58.2 | 5,416 | 25.8 | 2,839 | 13.7 | 2,692 | 13.0 | 1,353 | 6.4 | 1,028 | 4.8 |
| 2014 | 12,312 | 56.6 | 5,532 | 25.7 | 2,839 | 13.5 | 2,686 | 12.7 | 1,403 | 6.5 | 1,052 | 4.8 |
| 2015 | 12,872 | 57.6 | 5,939 | 27.2 | 3,034 | 14.2 | 2,715 | 12.6 | 1,351 | 6.1 | 1,121 | 5.0 |
| 2016 | 12,609 | 55.5 | 5,839 | 26.3 | 2,885 | 13.2 | 2,903 | 13.4 | 1,487 | 6.7 | 1,029 | 4.5 |
| 2017 | 12,892 | 55.6 | 6,200 | 27.5 | 3,089 | 14.1 | 2,704 | 12.3 | 1,434 | 6.4 | 1,303 | 5.7 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.6%). For cases diagnosed 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th ed. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Women by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2017, Invasive Female Breast Cancer (continued)

| Year of Diagnosis | Stage at Diagnosis | | | | | | | | | | | |
|-------------------------------|--------------------|------|-----------|------|-----------|------|-----------|------|----------|------|---------------|------|
| | Stage I | | Stage IIa | | Stage IIb | | Stage III | | Stage IV | | Unknown Stage | |
| | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate |
| ASIAN/PACIFIC ISLANDER | | | | | | | | | | | | |
| 1988 | 145 | 15.6 | 126 | 13.4 | 65 | 6.4 | 27 | 3.1 | 17 | 1.8 | 339 | 35.2 |
| 1989 | 168 | 16.0 | 144 | 14.4 | 60 | 5.3 | 35 | 3.7 | 22 | 2.1 | 328 | 31.7 |
| 1990 | 205 | 18.0 | 147 | 12.7 | 75 | 6.7 | 40 | 3.6 | 28 | 2.7 | 395 | 36.3 |
| 1991 | 204 | 17.2 | 138 | 11.1 | 86 | 6.6 | 35 | 3.2 | 21 | 2.1 | 373 | 30.8 |
| 1992 | 391 | 32.0 | 271 | 21.5 | 160 | 12.4 | 64 | 4.9 | 34 | 2.8 | 109 | 9.1 |
| 1993 | 401 | 30.3 | 278 | 20.1 | 143 | 10.1 | 57 | 4.2 | 45 | 3.3 | 96 | 7.4 |
| 1994 | 471 | 32.7 | 270 | 18.4 | 156 | 10.4 | 72 | 5.0 | 37 | 2.7 | 100 | 7.5 |
| 1995 | 501 | 33.7 | 364 | 23.7 | 180 | 11.4 | 71 | 4.6 | 48 | 3.1 | 79 | 5.2 |
| 1996 | 565 | 35.9 | 368 | 23.2 | 207 | 12.1 | 83 | 5.1 | 56 | 3.4 | 105 | 6.9 |
| 1997 | 691 | 41.3 | 382 | 22.6 | 183 | 10.6 | 89 | 5.1 | 50 | 2.9 | 112 | 6.6 |
| 1998 | 670 | 37.4 | 448 | 24.8 | 236 | 12.8 | 102 | 5.7 | 45 | 2.4 | 113 | 6.2 |
| 1999 | 732 | 39.3 | 458 | 24.0 | 238 | 12.1 | 105 | 5.5 | 59 | 3.2 | 133 | 7.1 |
| 2000 | 777 | 39.3 | 475 | 23.7 | 254 | 12.5 | 134 | 6.6 | 69 | 3.5 | 91 | 4.8 |
| 2001 | 866 | 41.9 | 472 | 22.4 | 264 | 12.3 | 123 | 5.8 | 66 | 3.2 | 88 | 4.4 |
| 2002 | 945 | 43.4 | 538 | 24.2 | 296 | 13.4 | 132 | 5.9 | 77 | 3.6 | 103 | 4.9 |
| 2003 | 852 | 37.2 | 556 | 24.1 | 324 | 13.9 | 108 | 4.6 | 69 | 3.0 | 109 | 4.9 |
| 2004 | 938 | 39.1 | 552 | 23.0 | 269 | 10.9 | 261 | 10.7 | 85 | 3.6 | 146 | 6.2 |
| 2005 | 1,020 | 40.7 | 590 | 23.4 | 261 | 10.5 | 259 | 10.2 | 88 | 3.6 | 129 | 5.5 |
| 2006 | 1,042 | 40.1 | 570 | 21.9 | 239 | 9.1 | 294 | 11.2 | 110 | 4.2 | 135 | 5.3 |
| 2007 | 1,112 | 41.2 | 602 | 22.2 | 305 | 11.3 | 291 | 10.7 | 115 | 4.2 | 162 | 6.1 |
| 2008 | 1,271 | 45.1 | 695 | 24.9 | 284 | 10.0 | 302 | 10.6 | 118 | 4.2 | 176 | 6.4 |
| 2009 | 1,227 | 42.3 | 681 | 23.2 | 281 | 9.6 | 278 | 9.6 | 141 | 4.7 | 175 | 6.1 |
| 2010 | 1,358 | 44.7 | 725 | 23.9 | 296 | 9.7 | 298 | 9.7 | 133 | 4.4 | 145 | 4.9 |
| 2011 | 1,444 | 46.2 | 674 | 21.4 | 395 | 12.8 | 344 | 11.0 | 144 | 4.5 | 109 | 3.5 |
| 2012 | 1,532 | 46.8 | 793 | 24.1 | 360 | 11.0 | 320 | 9.9 | 134 | 4.0 | 123 | 3.8 |
| 2013 | 1,559 | 46.0 | 795 | 23.8 | 431 | 12.8 | 371 | 10.9 | 168 | 5.0 | 129 | 3.8 |
| 2014 | 1,647 | 46.7 | 762 | 21.8 | 427 | 12.3 | 349 | 10.1 | 182 | 5.3 | 105 | 3.1 |
| 2015 | 1,817 | 49.3 | 896 | 24.6 | 454 | 12.8 | 406 | 11.3 | 155 | 4.3 | 138 | 3.7 |
| 2016 | 1,688 | 44.2 | 931 | 24.9 | 459 | 12.2 | 438 | 11.6 | 184 | 4.9 | 125 | 3.3 |
| 2017 | 1,935 | 48.8 | 948 | 24.5 | 495 | 13.0 | 414 | 11.0 | 222 | 5.7 | 118 | 3.1 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.6%). For cases diagnosed 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th ed. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Women by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2017, Invasive Female Breast Cancer (continued)

| Year of Diagnosis | Stage at Diagnosis | | | | | | | | | | | |
|---------------------------|--------------------|------|-----------|------|-----------|------|-----------|------|----------|------|---------------|------|
| | Stage I | | Stage IIa | | Stage IIb | | Stage III | | Stage IV | | Unknown Stage | |
| | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate |
| NON-HISPANIC BLACK | | | | | | | | | | | | |
| 1988 | 143 | 18.8 | 109 | 14.1 | 71 | 9.2 | 45 | 5.7 | 40 | 5.3 | 536 | 70.1 |
| 1989 | 129 | 16.2 | 104 | 12.5 | 74 | 8.9 | 30 | 3.9 | 31 | 3.8 | 507 | 65.5 |
| 1990 | 139 | 17.7 | 124 | 15.0 | 82 | 10.3 | 41 | 5.1 | 36 | 4.4 | 532 | 66.4 |
| 1991 | 158 | 19.4 | 122 | 14.5 | 83 | 9.3 | 47 | 5.7 | 30 | 3.8 | 538 | 65.9 |
| 1992 | 310 | 37.0 | 274 | 32.3 | 133 | 15.9 | 116 | 13.6 | 68 | 8.1 | 107 | 12.7 |
| 1993 | 335 | 39.0 | 267 | 30.3 | 160 | 18.2 | 73 | 8.2 | 81 | 9.5 | 103 | 12.3 |
| 1994 | 348 | 40.0 | 270 | 30.7 | 161 | 18.1 | 90 | 10.2 | 86 | 9.4 | 107 | 12.9 |
| 1995 | 389 | 44.7 | 263 | 29.6 | 174 | 19.0 | 103 | 11.2 | 64 | 7.3 | 102 | 11.8 |
| 1996 | 382 | 43.2 | 318 | 34.2 | 142 | 15.4 | 107 | 11.7 | 80 | 9.0 | 105 | 11.9 |
| 1997 | 408 | 44.6 | 283 | 30.4 | 191 | 20.2 | 109 | 11.8 | 69 | 7.4 | 102 | 11.4 |
| 1998 | 415 | 44.8 | 300 | 31.0 | 173 | 17.8 | 113 | 11.6 | 79 | 8.3 | 95 | 10.4 |
| 1999 | 445 | 46.2 | 339 | 33.9 | 199 | 19.9 | 120 | 11.8 | 70 | 7.0 | 96 | 9.8 |
| 2000 | 459 | 46.7 | 348 | 34.5 | 174 | 16.8 | 139 | 13.1 | 77 | 7.8 | 98 | 9.9 |
| 2001 | 442 | 44.1 | 312 | 30.0 | 206 | 19.3 | 135 | 13.0 | 97 | 9.6 | 88 | 8.9 |
| 2002 | 478 | 46.1 | 340 | 31.9 | 207 | 19.7 | 141 | 13.3 | 71 | 6.6 | 71 | 6.9 |
| 2003 | 447 | 42.4 | 304 | 28.5 | 224 | 20.5 | 123 | 11.0 | 104 | 9.8 | 98 | 9.4 |
| 2004 | 451 | 41.5 | 368 | 33.3 | 156 | 14.1 | 220 | 20.0 | 104 | 9.7 | 103 | 9.6 |
| 2005 | 489 | 44.5 | 338 | 30.0 | 138 | 12.3 | 227 | 20.0 | 113 | 10.2 | 87 | 8.2 |
| 2006 | 477 | 42.3 | 337 | 29.8 | 173 | 15.0 | 210 | 18.2 | 115 | 10.3 | 101 | 9.4 |
| 2007 | 560 | 49.3 | 345 | 30.2 | 191 | 16.6 | 195 | 17.0 | 126 | 11.3 | 113 | 10.3 |
| 2008 | 513 | 45.2 | 379 | 33.0 | 175 | 15.0 | 243 | 20.5 | 90 | 7.5 | 105 | 9.3 |
| 2009 | 569 | 48.4 | 366 | 31.0 | 162 | 13.8 | 221 | 18.6 | 128 | 10.4 | 99 | 8.5 |
| 2010 | 575 | 47.8 | 328 | 27.6 | 184 | 15.3 | 219 | 17.8 | 114 | 9.4 | 82 | 7.0 |
| 2011 | 644 | 51.7 | 369 | 29.9 | 184 | 15.0 | 245 | 20.2 | 127 | 10.4 | 77 | 6.3 |
| 2012 | 644 | 50.7 | 341 | 27.3 | 209 | 16.5 | 222 | 17.8 | 115 | 9.1 | 90 | 7.5 |
| 2013 | 603 | 47.5 | 349 | 27.6 | 226 | 18.1 | 225 | 17.6 | 139 | 10.8 | 90 | 7.2 |
| 2014 | 686 | 51.8 | 382 | 29.3 | 193 | 15.0 | 231 | 18.1 | 141 | 10.8 | 75 | 5.8 |
| 2015 | 694 | 52.1 | 390 | 29.5 | 224 | 17.3 | 201 | 15.4 | 133 | 10.4 | 91 | 7.0 |
| 2016 | 627 | 46.3 | 374 | 27.9 | 189 | 14.9 | 232 | 17.6 | 119 | 9.1 | 81 | 6.1 |
| 2017 | 665 | 47.6 | 401 | 30.2 | 209 | 15.4 | 221 | 16.3 | 113 | 8.3 | 86 | 6.2 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.6%). For cases diagnosed 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th ed. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Women by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2017, Invasive Female Breast Cancer (continued)

| Year of Diagnosis | Stage at Diagnosis | | | | | | | | | | | |
|-------------------|--------------------|------|-----------|------|-----------|------|-----------|------|----------|------|---------------|------|
| | Stage I | | Stage IIa | | Stage IIb | | Stage III | | Stage IV | | Unknown Stage | |
| | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate |
| HISPANIC | | | | | | | | | | | | |
| 1988 | 262 | 16.0 | 239 | 13.1 | 152 | 8.4 | 65 | 3.4 | 41 | 2.3 | 701 | 40.0 |
| 1989 | 288 | 15.9 | 210 | 11.3 | 144 | 7.1 | 70 | 3.7 | 48 | 2.6 | 777 | 41.6 |
| 1990 | 316 | 17.2 | 240 | 11.9 | 129 | 6.3 | 70 | 3.3 | 49 | 2.4 | 768 | 40.2 |
| 1991 | 338 | 17.3 | 280 | 13.4 | 174 | 7.9 | 81 | 3.9 | 43 | 2.2 | 798 | 39.5 |
| 1992 | 578 | 28.8 | 503 | 23.1 | 317 | 14.2 | 142 | 6.1 | 80 | 3.9 | 179 | 8.3 |
| 1993 | 600 | 28.8 | 489 | 21.7 | 293 | 12.2 | 129 | 5.3 | 99 | 4.4 | 184 | 8.6 |
| 1994 | 643 | 29.4 | 542 | 23.6 | 292 | 11.4 | 142 | 5.7 | 90 | 3.9 | 181 | 8.0 |
| 1995 | 642 | 29.0 | 533 | 22.1 | 341 | 13.3 | 166 | 6.2 | 113 | 4.6 | 172 | 7.1 |
| 1996 | 782 | 33.8 | 514 | 20.4 | 326 | 12.2 | 189 | 7.1 | 87 | 3.5 | 208 | 8.2 |
| 1997 | 833 | 33.8 | 572 | 21.4 | 334 | 11.9 | 175 | 6.5 | 103 | 4.0 | 203 | 7.5 |
| 1998 | 860 | 33.6 | 663 | 24.0 | 390 | 13.1 | 217 | 7.5 | 108 | 3.7 | 188 | 7.0 |
| 1999 | 925 | 35.0 | 642 | 21.9 | 403 | 12.9 | 238 | 7.4 | 115 | 4.0 | 232 | 8.0 |
| 2000 | 969 | 33.6 | 702 | 22.3 | 455 | 14.0 | 292 | 8.9 | 137 | 4.5 | 167 | 5.6 |
| 2001 | 1,028 | 33.8 | 742 | 22.3 | 484 | 13.8 | 273 | 7.9 | 137 | 4.3 | 149 | 4.6 |
| 2002 | 1,083 | 33.7 | 757 | 22.0 | 513 | 14.5 | 251 | 7.0 | 163 | 5.0 | 177 | 5.7 |
| 2003 | 1,110 | 32.7 | 819 | 22.6 | 543 | 14.2 | 292 | 7.6 | 117 | 3.5 | 182 | 5.5 |
| 2004 | 1,097 | 30.8 | 750 | 19.7 | 383 | 9.5 | 521 | 12.8 | 154 | 4.2 | 229 | 6.3 |
| 2005 | 1,251 | 34.1 | 838 | 20.9 | 397 | 9.5 | 566 | 13.4 | 160 | 4.1 | 211 | 5.6 |
| 2006 | 1,277 | 33.1 | 830 | 20.2 | 392 | 9.0 | 556 | 12.9 | 168 | 4.1 | 252 | 6.4 |
| 2007 | 1,316 | 32.4 | 869 | 20.0 | 426 | 9.4 | 612 | 13.6 | 241 | 5.8 | 288 | 7.1 |
| 2008 | 1,481 | 35.0 | 993 | 22.1 | 480 | 10.1 | 628 | 13.4 | 208 | 4.7 | 275 | 6.5 |
| 2009 | 1,543 | 34.6 | 988 | 20.9 | 464 | 9.5 | 576 | 11.5 | 232 | 5.0 | 305 | 7.0 |
| 2010 | 1,634 | 34.7 | 883 | 17.9 | 499 | 10.0 | 635 | 12.5 | 245 | 5.1 | 204 | 4.6 |
| 2011 | 1,829 | 38.1 | 1,054 | 20.7 | 611 | 11.3 | 618 | 11.6 | 279 | 5.3 | 204 | 4.2 |
| 2012 | 1,879 | 37.4 | 1,045 | 19.4 | 601 | 10.9 | 679 | 12.1 | 254 | 4.7 | 215 | 4.3 |
| 2013 | 2,061 | 39.0 | 1,088 | 19.8 | 657 | 11.6 | 683 | 12.1 | 268 | 4.9 | 218 | 4.1 |
| 2014 | 2,012 | 36.6 | 1,139 | 20.2 | 669 | 11.4 | 689 | 11.8 | 271 | 4.8 | 242 | 4.3 |
| 2015 | 2,147 | 37.3 | 1,234 | 20.9 | 727 | 11.9 | 694 | 11.3 | 284 | 4.9 | 282 | 4.9 |
| 2016 | 2,280 | 38.7 | 1,292 | 21.2 | 705 | 11.4 | 803 | 12.9 | 312 | 5.2 | 253 | 4.2 |
| 2017 | 2,398 | 38.7 | 1,343 | 21.3 | 767 | 11.8 | 711 | 11.2 | 318 | 5.2 | 311 | 5.0 |

(Table Continues)

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.6%). For cases diagnosed 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th ed. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Incidence Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Women by Year, Stage at Diagnosis, and Race/Ethnicity, California, 1988-2017, Invasive Female Breast Cancer (continued)

| Year of Diagnosis | Stage at Diagnosis | | | | | | | | | | | |
|---------------------------|--------------------|------|-----------|------|-----------|------|-----------|------|----------|------|---------------|------|
| | Stage I | | Stage IIa | | Stage IIb | | Stage III | | Stage IV | | Unknown Stage | |
| | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate | Cases | Rate |
| NON-HISPANIC WHITE | | | | | | | | | | | | |
| 1988 | 3,817 | 39.8 | 2,452 | 26.1 | 1,192 | 13.0 | 495 | 5.4 | 407 | 4.2 | 4,949 | 52.1 |
| 1989 | 3,797 | 39.1 | 2,467 | 26.2 | 1,183 | 12.8 | 505 | 5.5 | 397 | 4.1 | 4,526 | 47.3 |
| 1990 | 4,289 | 43.9 | 2,496 | 26.1 | 1,190 | 12.9 | 527 | 5.6 | 404 | 4.2 | 4,533 | 46.9 |
| 1991 | 4,688 | 47.7 | 2,581 | 26.9 | 1,145 | 12.4 | 514 | 5.4 | 399 | 4.1 | 4,278 | 43.9 |
| 1992 | 6,370 | 64.4 | 3,315 | 34.3 | 1,572 | 16.5 | 645 | 6.8 | 538 | 5.4 | 1,512 | 15.2 |
| 1993 | 6,260 | 63.3 | 3,228 | 33.1 | 1,528 | 16.0 | 717 | 7.4 | 569 | 5.8 | 1,313 | 13.0 |
| 1994 | 6,533 | 66.3 | 3,185 | 33.1 | 1,481 | 15.6 | 778 | 8.1 | 556 | 5.7 | 1,247 | 12.3 |
| 1995 | 6,760 | 67.9 | 3,470 | 35.9 | 1,564 | 16.4 | 768 | 8.1 | 491 | 5.0 | 1,098 | 10.7 |
| 1996 | 7,215 | 72.5 | 3,384 | 34.8 | 1,603 | 17.0 | 761 | 7.9 | 581 | 5.9 | 1,072 | 10.4 |
| 1997 | 7,340 | 72.6 | 3,480 | 35.2 | 1,602 | 16.6 | 798 | 8.2 | 536 | 5.4 | 1,105 | 10.5 |
| 1998 | 7,394 | 72.6 | 3,522 | 35.4 | 1,769 | 18.1 | 863 | 8.7 | 567 | 5.5 | 1,232 | 11.7 |
| 1999 | 7,486 | 72.4 | 3,515 | 34.8 | 1,736 | 17.4 | 910 | 9.1 | 583 | 5.7 | 1,393 | 13.1 |
| 2000 | 7,756 | 74.6 | 3,862 | 37.8 | 1,775 | 17.8 | 926 | 9.1 | 550 | 5.2 | 836 | 7.6 |
| 2001 | 7,772 | 74.2 | 3,854 | 37.6 | 1,871 | 18.5 | 873 | 8.5 | 549 | 5.3 | 835 | 7.6 |
| 2002 | 7,679 | 72.7 | 3,870 | 37.5 | 1,876 | 18.4 | 837 | 8.1 | 619 | 5.9 | 808 | 7.2 |
| 2003 | 7,012 | 66.1 | 3,467 | 33.4 | 1,793 | 17.7 | 813 | 7.8 | 566 | 5.4 | 794 | 7.0 |
| 2004 | 6,778 | 63.8 | 3,096 | 29.9 | 1,270 | 12.4 | 1,529 | 14.9 | 615 | 5.8 | 997 | 8.9 |
| 2005 | 6,968 | 65.5 | 3,235 | 30.9 | 1,264 | 12.3 | 1,544 | 15.2 | 656 | 6.0 | 942 | 8.3 |
| 2006 | 6,952 | 65.6 | 3,264 | 31.5 | 1,283 | 12.5 | 1,538 | 15.1 | 645 | 6.2 | 884 | 7.8 |
| 2007 | 7,172 | 67.0 | 3,329 | 31.8 | 1,278 | 12.6 | 1,617 | 15.8 | 677 | 6.3 | 927 | 8.1 |
| 2008 | 7,303 | 67.7 | 3,291 | 31.4 | 1,391 | 13.6 | 1,637 | 16.1 | 708 | 6.6 | 870 | 7.6 |
| 2009 | 7,530 | 69.7 | 3,357 | 31.7 | 1,356 | 13.3 | 1,569 | 15.3 | 678 | 6.4 | 825 | 7.1 |
| 2010 | 7,562 | 69.4 | 2,959 | 27.8 | 1,428 | 13.9 | 1,462 | 13.9 | 760 | 6.8 | 680 | 5.8 |
| 2011 | 7,746 | 70.8 | 3,031 | 28.2 | 1,488 | 14.4 | 1,518 | 14.8 | 737 | 6.8 | 630 | 5.5 |
| 2012 | 7,828 | 70.5 | 3,082 | 28.7 | 1,488 | 14.4 | 1,524 | 14.7 | 827 | 7.5 | 568 | 4.8 |
| 2013 | 8,019 | 71.5 | 3,123 | 28.7 | 1,484 | 14.3 | 1,382 | 13.5 | 767 | 6.9 | 534 | 4.6 |
| 2014 | 7,830 | 69.5 | 3,179 | 29.1 | 1,507 | 14.6 | 1,395 | 13.4 | 797 | 7.2 | 576 | 4.7 |
| 2015 | 8,037 | 70.2 | 3,347 | 30.5 | 1,583 | 15.3 | 1,387 | 13.3 | 768 | 6.8 | 531 | 4.5 |
| 2016 | 7,820 | 68.2 | 3,174 | 28.8 | 1,487 | 14.1 | 1,399 | 13.5 | 852 | 7.8 | 471 | 3.7 |
| 2017 | 7,695 | 66.9 | 3,427 | 31.1 | 1,579 | 15.5 | 1,323 | 12.8 | 761 | 7.0 | 516 | 4.5 |

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019).

Note: For cases diagnosed 1988-2003, American Joint Committee on Cancer (AJCC) stage at diagnosis is based on Surveillance, Epidemiology, and End Results (SEER) extent of disease (EOD) codes; conversion is consistent with the AJCC Manual for Staging of Cancer, 3rd ed. as modified by SEER. Excludes Stage II, NOS (0.6% of cases) and cases which could not be staged because of coding errors (less than 2.6%). For cases diagnosed 2004-2015, AJCC stage at diagnosis is based on Collaborative Stage codes converted to AJCC using an algorithm provided by the Collaborative Staging Taskforce. For cases diagnosed in 2016, stage at diagnosis is coded per the International Union Against Cancer Classification (UICC) 7th ed. Rates based on fewer than 15 cases are not shown. Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

Risk (Percent) of Being Diagnosed with Invasive Cancer within the Next 10, 20, or 30 Years, or in the Remaining Lifetime, Assuming Cancer Free at Current Age, and Lifetime Risk of Being Diagnosed with or Dying of Cancer by Race/Ethnicity and Sex, Breast Cancer

| Current Age | Males | | | | Females | | | |
|-------------------------------|--|---------|---------|------------|---|---------|---------|------------|
| | 10+ yrs | 20+ yrs | 30+ yrs | eventually | 10+ yrs | 20+ yrs | 30+ yrs | eventually |
| ALL RACES | | | | | | | | |
| 0 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.06 | 13.11 |
| 25 | 0.00 | 0.00 | 0.01 | 0.11 | 0.19 | 1.08 | 2.98 | 13.25 |
| 35 | 0.00 | 0.01 | 0.03 | 0.11 | 0.90 | 2.80 | 5.46 | 13.14 |
| 45 | 0.01 | 0.03 | 0.06 | 0.11 | 1.94 | 4.65 | 8.19 | 12.46 |
| 55 | 0.02 | 0.05 | 0.09 | 0.11 | 2.82 | 6.52 | 9.35 | 10.97 |
| 65 | 0.04 | 0.08 | - | 0.10 | 4.01 | 7.08 | - | 8.83 |
| | Lifetime Risk of Being Diagnosed = 0.11% | | | | Lifetime Risk of Being Diagnosed = 13.11% | | | |
| | Lifetime Risk of Dying of Cancer = 0.03% | | | | Lifetime Risk of Dying of Cancer = 2.73% | | | |
| ASIAN/PACIFIC ISLANDER | | | | | | | | |
| 0 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.06 | 11.35 |
| 25 | 0.00 | 0.00 | 0.01 | 0.07 | 0.19 | 1.15 | 3.10 | 11.45 |
| 35 | 0.00 | 0.01 | 0.02 | 0.07 | 0.96 | 2.93 | 5.35 | 11.32 |
| 45 | 0.01 | 0.02 | 0.04 | 0.07 | 1.99 | 4.45 | 7.21 | 10.51 |
| 55 | 0.01 | 0.03 | 0.06 | 0.06 | 2.54 | 5.39 | 7.33 | 8.80 |
| 65 | 0.02 | 0.04 | - | 0.05 | 3.01 | 5.07 | - | 6.61 |
| | Lifetime Risk of Being Diagnosed = 0.07% | | | | Lifetime Risk of Being Diagnosed = 11.35% | | | |
| | Lifetime Risk of Dying of Cancer = 0.02% | | | | Lifetime Risk of Dying of Cancer = 2.07% | | | |
| NON-HISPANIC BLACK | | | | | | | | |
| 0 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.08 | 12.32 |
| 25 | 0.00 | 0.01 | 0.02 | 0.13 | 0.24 | 1.14 | 3.05 | 12.55 |
| 35 | 0.01 | 0.02 | 0.05 | 0.13 | 0.92 | 2.85 | 5.45 | 12.46 |
| 45 | 0.01 | 0.04 | 0.08 | 0.13 | 1.99 | 4.66 | 7.93 | 11.87 |
| 55 | 0.03 | 0.07 | 0.10 | 0.12 | 2.85 | 6.34 | 9.00 | 10.54 |
| 65 | 0.05 | 0.09 | - | 0.11 | 3.96 | 6.99 | - | 8.74 |
| | Lifetime Risk of Being Diagnosed = 0.12% | | | | Lifetime Risk of Being Diagnosed = 12.32% | | | |
| | Lifetime Risk of Dying of Cancer = 0.07% | | | | Lifetime Risk of Dying of Cancer = 3.38% | | | |
| HISPANIC | | | | | | | | |
| 0 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.06 | 10.11 |
| 25 | 0.00 | 0.00 | 0.01 | 0.09 | 0.16 | 0.88 | 2.40 | 10.21 |
| 35 | 0.00 | 0.01 | 0.02 | 0.09 | 0.72 | 2.25 | 4.36 | 10.11 |
| 45 | 0.01 | 0.01 | 0.03 | 0.09 | 1.55 | 3.70 | 6.36 | 9.52 |
| 55 | 0.01 | 0.03 | 0.06 | 0.09 | 2.22 | 4.98 | 6.96 | 8.25 |
| 65 | 0.02 | 0.05 | - | 0.08 | 2.96 | 5.08 | - | 6.46 |
| | Lifetime Risk of Being Diagnosed = 0.09% | | | | Lifetime Risk of Being Diagnosed = 10.11% | | | |
| | Lifetime Risk of Dying of Cancer = 0.02% | | | | Lifetime Risk of Dying of Cancer = 2.24% | | | |
| NON-HISPANIC WHITE | | | | | | | | |
| 0 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.07 | 14.66 |
| 25 | 0.00 | 0.00 | 0.01 | 0.13 | 0.21 | 1.23 | 3.35 | 14.78 |
| 35 | 0.00 | 0.01 | 0.03 | 0.13 | 1.03 | 3.16 | 6.11 | 14.68 |
| 45 | 0.01 | 0.03 | 0.06 | 0.13 | 2.18 | 5.18 | 9.22 | 13.93 |
| 55 | 0.02 | 0.06 | 0.10 | 0.12 | 3.15 | 7.38 | 10.67 | 12.32 |
| 65 | 0.04 | 0.09 | - | 0.11 | 4.61 | 8.21 | - | 10.01 |
| | Lifetime Risk of Being Diagnosed = 0.12% | | | | Lifetime Risk of Being Diagnosed = 14.66% | | | |
| | Lifetime Risk of Dying of Cancer = 0.03% | | | | Lifetime Risk of Dying of Cancer = 2.93% | | | |

Prepared by the California Department of Public Health (CDPH), California Cancer Registry.

Source: California Cancer Registry (December 2019) and CDPH Center for Health Statistics Death Master Files.

Note: Based on average annual age-specific cancer incidence and mortality rates in California, 2013-2017.

Due to inconsistent reporting by the Department of Veteran Affairs (VA), cancer cases reported by VA facilities are excluded.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.