

Cancer Incidence and Mortality

Cancer is the second leading cause of death in Iowa. From 1990 through 2000, 70,234 Iowans died from cancer and 165,106 cancers were newly diagnosed. During this period, cancer accounted for about one of every four deaths in Iowa. Although it occurs in people of all ages, more than 80 percent of new cancers occur in those 55 years of age and older.

For all sites of cancer incidence and mortality, the age-adjusted rates by county grouping increased as the average population increased. The crude rates, however, show the opposite trend, as these rates were highest in counties with average populations < 10,000. This reflects a larger proportion of older people in the smaller, more rural counties

(see tables and graph in Demographics). During the 1990s, The U.S. has experienced a decline in cancer mortality, reflected also in Iowa. Today, less than half of Iowans newly diagnosed with a

**FOUR PRIMARY TYPES
OF CANCER IN IOWA ...**

Prostate
Female Breast
Lung and bronchus
Colorectum

MOST COMMON CANCERS IN IOWA

| <i>Females</i> | <i>Males</i> |
|-----------------------|---------------------|
| Breast | Prostate |
| Colorectum | Lung |
| Lung | Colorectum |

Children (0-19)

- Leukemia
- Brain and other central nervous system
- Lymphomas

cancer will die from it. Survival rates, however, vary considerably by cancer site, and as the number of cancer deaths gets closer to the number of newly diagnosed cancers, the survival rate for the cancer decreases.

Tobacco use is the leading modifiable risk factor for cancer, and is associated with cancers of the lung and bronchus, oral cavity (excluding lip), esophagus, larynx, pancreas, uterine cervix,

urinary bladder, and kidney and renal pelvis. Alcohol consumption is also a known risk factor for cancers of the oral cavity (excluding lip), esophagus, and larynx. Ongoing research indicates that dietary factors may play an important role in the occurrence of cancers of the prostate and colorectum. Other important risk factors include obesity for cancer of the uterine corpus, excessive sunlight exposure for skin melanoma, and genetic predisposition (or positive family history) for breast cancer.

The Iowa Cancer Registry has been recording the occurrence of cancer in Iowa since 1973. It receives mortality data from the Iowa Department of Public Health (IDPH). The Registry's incidence and IDPH's mortality databases have been used to generate the cancer incidence and cancer mortality statistics provided in this section of the 2003 Iowa Health Fact Book via a software program called SEER*Stat, which is provided by the National Cancer Institute.

All Sites Cancer Incidence 1990-2000

| | Average Population < 10,000 | | | | Average Population 10,000 to 20,000 | | | | Average Population > 20,000 | | | | MSA Counties | | | |
|---|---|----------------|--|---|-------------------------------------|---------------|--|---|-----------------------------|---------------|--|---|--------------|---------------|--|---|
| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
| Counties with Average Population < 10,000 | Adair | 540 | 586.9 (49) | 387.7 (99) | Lucas | 648 | 635.7 (27) | 459.6 (54) | Monroe | 559 | 624.7 (32) | 452.6 (61) | Osceola | 456 | 578.1 (54) | 424.5 (92) |
| | Adams | 305 | 602.6 (42) | 394.7 (98) | Monroe | 559 | 624.7 (32) | 452.6 (61) | Osceola | 456 | 578.1 (54) | 424.5 (92) | Pocahontas | 686 | 687.3 (09) | 462.4 (50) |
| | Audubon | 542 | 702.4 (06) | 456.6 (56) | Osceola | 456 | 578.1 (54) | 424.5 (92) | Pocahontas | 686 | 687.3 (09) | 462.4 (50) | Ringgold | 431 | 722.9 (04) | 443.4 (72) |
| | Clarke | 524 | 552.4 (66) | 435.9 (82) | Pocahontas | 686 | 687.3 (09) | 462.4 (50) | Ringgold | 431 | 722.9 (04) | 443.4 (72) | Taylor | 533 | 689.5 (08) | 447.5 (67) |
| | Davis | 514 | 553.9 (65) | 430.4 (87) | Ringgold | 431 | 722.9 (04) | 443.4 (72) | Taylor | 533 | 689.5 (08) | 447.5 (67) | Van Buren | 553 | 650.7 (23) | 482.8 (22) |
| | Decatur | 549 | 594.3 (47) | 463.2 (49) | Taylor | 533 | 689.5 (08) | 447.5 (67) | Van Buren | 553 | 650.7 (23) | 482.8 (22) | Wayne | 579 | 759.4 (01) | 476.0 (36) |
| | Fremont | 607 | 679.1 (11) | 489.0 (15) | Van Buren | 553 | 650.7 (23) | 482.8 (22) | Wayne | 579 | 759.4 (01) | 476.0 (36) | Worth | 536 | 613.4 (37) | 446.1 (71) |
| | Howard | 674 | 616.0 (36) | 436.2 (80) | Wayne | 579 | 759.4 (01) | 476.0 (36) | Worth | 536 | 613.4 (37) | 446.1 (71) | Total | 9,772 | 633.0 | 446.0 |
| | Ida | 536 | 598.4 (45) | 429.4 (88) | Worth | 536 | 613.4 (37) | 446.1 (71) | Total | 9,772 | 633.0 | 446.0 | | | | |
| | Counties with Average Population 10,000 to 20,000 | Allamakee | 897 | 568.4 (59) | 424.9 (91) | Humboldt | 758 | 655.1 (21) | 456.5 (57) | Iowa | 910 | 546.6 (70) | 447.0 (69) | Jefferson | 837 | 463.1 (93) |
| Appanoose | | 978 | 646.2 (26) | 462.0 (51) | Iowa | 910 | 546.6 (70) | 447.0 (69) | Jefferson | 837 | 463.1 (93) | 421.4 (93) | Keokuk | 834 | 659.0 (18) | 478.9 (32) |
| Butler | | 1,136 | 664.5 (15) | 480.4 (28) | Keokuk | 834 | 659.0 (18) | 478.9 (32) | Kossuth | 1,160 | 593.1 (48) | 442.3 (75) | Louisa | 622 | 474.9 (89) | 436.0 (81) |
| Calhoun | | 839 | 668.6 (14) | 443.0 (74) | Kossuth | 1,160 | 593.1 (48) | 442.3 (75) | Louisa | 622 | 474.9 (89) | 436.0 (81) | Lyon | 751 | 576.5 (55) | 450.2 (63) |
| Cass | | 1,089 | 661.8 (16) | 456.7 (55) | Louisa | 622 | 474.9 (89) | 436.0 (81) | Lyon | 751 | 576.5 (55) | 450.2 (63) | Madison | 761 | 522.7 (78) | 438.3 (79) |
| Cedar | | 1,017 | 519.1 (80) | 427.8 (90) | Madison | 761 | 522.7 (78) | 438.3 (79) | Mills | 760 | 502.2 (86) | 484.1 (19) | Mitchell | 790 | 658.1 (19) | 455.3 (58) |
| Cherokee | | 979 | 653.8 (22) | 483.3 (21) | Mills | 760 | 502.2 (86) | 484.1 (19) | Mitchell | 790 | 658.1 (19) | 455.3 (58) | Monona | 827 | 748.0 (02) | 472.5 (39) |
| Chickasaw | | 785 | 539.0 (75) | 431.3 (85) | Mitchell | 790 | 658.1 (19) | 455.3 (58) | Monona | 827 | 748.0 (02) | 472.5 (39) | Montgomery | 863 | 657.8 (20) | 460.1 (52) |
| Clay | | 1,121 | 579.2 (53) | 476.4 (35) | Monona | 827 | 748.0 (02) | 472.5 (39) | Montgomery | 863 | 657.8 (20) | 460.1 (52) | O'Brien | 1,148 | 674.3 (12) | 481.7 (25) |
| Clayton | | 1,255 | 604.2 (41) | 472.5 (39) | Montgomery | 863 | 657.8 (20) | 460.1 (52) | O'Brien | 1,148 | 674.3 (12) | 481.7 (25) | Page | 1,144 | 612.7 (38) | 440.4 (77) |
| Crawford | | 1,033 | 558.9 (63) | 442.2 (76) | O'Brien | 1,148 | 674.3 (12) | 481.7 (25) | Page | 1,144 | 612.7 (38) | 440.4 (77) | Palo Alto | 828 | 725.4 (03) | 509.9 (03) |
| Delaware | | 943 | 468.1 (92) | 430.8 (86) | Page | 1,144 | 612.7 (38) | 440.4 (77) | Palo Alto | 828 | 725.4 (03) | 509.9 (03) | Poweshiek | 1,061 | 509.7 (84) | 417.3 (94) |
| Dickinson | | 1,219 | 706.1 (05) | 491.7 (11) | Palo Alto | 828 | 725.4 (03) | 509.9 (03) | Poweshiek | 1,061 | 509.7 (84) | 417.3 (94) | Sac | 870 | 660.8 (17) | 443.2 (73) |
| Emmet | | 750 | 597.8 (46) | 452.8 (60) | Poweshiek | 1,061 | 509.7 (84) | 417.3 (94) | Sac | 870 | 660.8 (17) | 443.2 (73) | Shelby | 817 | 559.8 (62) | 400.9 (96) |
| Floyd | | 1,216 | 649.6 (24) | 481.7 (25) | Shelby | 817 | 559.8 (62) | 400.9 (96) | Shelby | 817 | 559.8 (62) | 400.9 (96) | Tama | 1,245 | 634.9 (28) | 482.6 (24) |
| Franklin | | 711 | 585.3 (50) | 428.3 (89) | Tama | 1,245 | 634.9 (28) | 482.6 (24) | Tama | 1,245 | 634.9 (28) | 482.6 (24) | Union | 850 | 620.8 (34) | 474.4 (38) |
| Greene | | 732 | 647.7 (25) | 438.8 (78) | Union | 850 | 620.8 (34) | 474.4 (38) | Union | 850 | 620.8 (34) | 474.4 (38) | Winnebago | 685 | 526.5 (76) | 400.4 (97) |
| Grundy | | 817 | 609.0 (39) | 448.9 (66) | Winnebago | 685 | 526.5 (76) | 400.4 (97) | Wright | 1,080 | 680 (10) | 463.4 (48) | Total | 42,273 | 604.0 | 456.1 |
| Guthrie | | 825 | 668.9 (13) | 469.4 (43) | Wright | 1,080 | 680 (10) | 463.4 (48) | Total | 42,273 | 604.0 | 456.1 | | | | |
| Hamilton | | 1,078 | 601.5 (44) | 471.4 (42) | Total | 42,273 | 604.0 | 456.1 | | | | | | | | |
| Hancock | 750 | 558.2 (64) | 435.4 (83) | | | | | | | | | | | | | |
| Hardin | 1,452 | 696.5 (07) | 494.0 (07) | | | | | | | | | | | | | |
| Harrison | 1,050 | 628.9 (31) | 483.5 (20) | | | | | | | | | | | | | |
| Counties with Average Population > 20,000 | Benton | 1,424 | 542.6 (72) | 471.7 (41) | Jones | 1,212 | 547.5 (69) | 479.3 (29) | Lee | 2,436 | 571.9 (58) | 478.2 (34) | Mahaska | 1,305 | 540.1 (74) | 452.3 (62) |
| | Boone | 1,613 | 572.7 (57) | 468.0 (44) | Lee | 2,436 | 571.9 (58) | 478.2 (34) | Mahaska | 1,305 | 540.1 (74) | 452.3 (62) | Marion | 1,746 | 512.0 (81) | 446.2 (70) |
| | Bremer | 1,387 | 544.1 (71) | 464.3 (46) | Mahaska | 1,305 | 540.1 (74) | 452.3 (62) | Marion | 1,746 | 512.0 (81) | 446.2 (70) | Marshall | 2,567 | 602.2 (43) | 489.1 (14) |
| | Buchanan | 1,218 | 525.7 (77) | 480.8 (27) | Marion | 1,746 | 512.0 (81) | 446.2 (70) | Marshall | 2,567 | 602.2 (43) | 489.1 (14) | Muscatine | 2,176 | 480.9 (87) | 479.0 (31) |
| | Buena Vista | 1,414 | 631.0 (29) | 511.7 (02) | Marshall | 2,567 | 602.2 (43) | 489.1 (14) | Muscatine | 2,176 | 480.9 (87) | 479.0 (31) | Plymouth | 1,503 | 563.5 (61) | 487.0 (17) |
| | Carroll | 1,472 | 620.4 (35) | 492.5 (10) | Muscatine | 2,176 | 480.9 (87) | 479.0 (31) | Plymouth | 1,503 | 563.5 (61) | 487.0 (17) | Sioux | 1,639 | 479.6 (88) | 449.5 (64) |
| | Cerro Gordo | 3,019 | 584.8 (51) | 478.4 (33) | Plymouth | 1,503 | 563.5 (61) | 487.0 (17) | Sioux | 1,639 | 479.6 (88) | 449.5 (64) | Story | 2,921 | 345.9 (98) | 449.1 (65) |
| | Clinton | 3,210 | 573.1 (56) | 494.2 (06) | Sioux | 1,639 | 479.6 (88) | 449.5 (64) | Story | 2,921 | 345.9 (98) | 449.1 (65) | Wapello | 2,464 | 621.9 (33) | 491.0 (12) |
| | Des Moines | 2,667 | 566.7 (60) | 479.2 (30) | Story | 2,921 | 345.9 (98) | 449.1 (65) | Wapello | 2,464 | 621.9 (33) | 491.0 (12) | Washington | 1,203 | 540.6 (73) | 431.7 (84) |
| | Fayette | 1,478 | 607.7 (40) | 465.0 (45) | Wapello | 2,464 | 621.9 (33) | 491.0 (12) | Washington | 1,203 | 540.6 (73) | 431.7 (84) | Webster | 2,769 | 630.1 (30) | 509.6 (04) |
| | Henry | 1,118 | 510.7 (83) | 455.0 (59) | Washington | 1,203 | 540.6 (73) | 431.7 (84) | Webster | 2,769 | 630.1 (30) | 509.6 (04) | Winneshiek | 1,061 | 456.6 (95) | 412.8 (95) |
| | Jackson | 1,284 | 579.3 (52) | 482.7 (23) | Webster | 2,769 | 630.1 (30) | 509.6 (04) | Winneshiek | 1,061 | 456.6 (95) | 412.8 (95) | Total | 48,470 | 540.4 | 473.2 |
| | Jasper | 2,164 | 550.0 (67) | 464.0 (47) | Winneshiek | 1,061 | 456.6 (95) | 412.8 (95) | Total | 48,470 | 540.4 | 473.2 | | | | |
| | MSA Counties | Black Hawk | 7,250 | 519.7 (79) | 502.0 (05) | Polk | 17,287 | 445.6 (96) | 490.0 (13) | Pottawattamie | 4,721 | 506.4 (85) | 486.3 (18) | Scott | 7,853 | 457.6 (94) |
| Dallas | | 1,809 | 473.5 (90) | 475.1 (37) | Pottawattamie | 4,721 | 506.4 (85) | 486.3 (18) | Scott | 7,853 | 457.6 (94) | 492.9 (09) | Warren | 1,749 | 412.4 (97) | 447.3 (68) |
| Dubuque | | 5,333 | 548.7 (68) | 515.7 (01) | Scott | 7,853 | 457.6 (94) | 492.9 (09) | Warren | 1,749 | 412.4 (97) | 447.3 (68) | Woodbury | 5,755 | 511.6 (82) | 493.3 (08) |
| Johnson | | 3,487 | 305.2 (99) | 460.0 (53) | Warren | 1,749 | 412.4 (97) | 447.3 (68) | Woodbury | 5,755 | 511.6 (82) | 493.3 (08) | Total | 64,591 | 462.7 | 490.4 |
| Linn | | 9,347 | 469.7 (91) | 488.5 (16) | Woodbury | 5,755 | 511.6 (82) | 493.3 (08) | Total | 64,591 | 462.7 | 490.4 | | | | |
| State Totals | | 165,106 | 524.6 | 474 | | | | | | | | | | | | |

¹Rates per 100,000 population

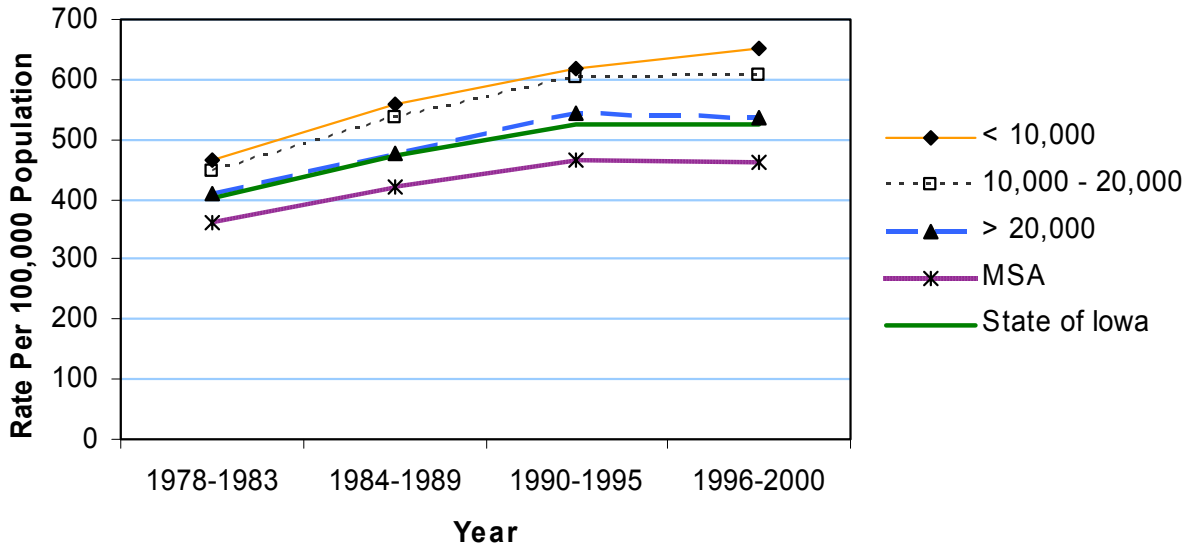
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

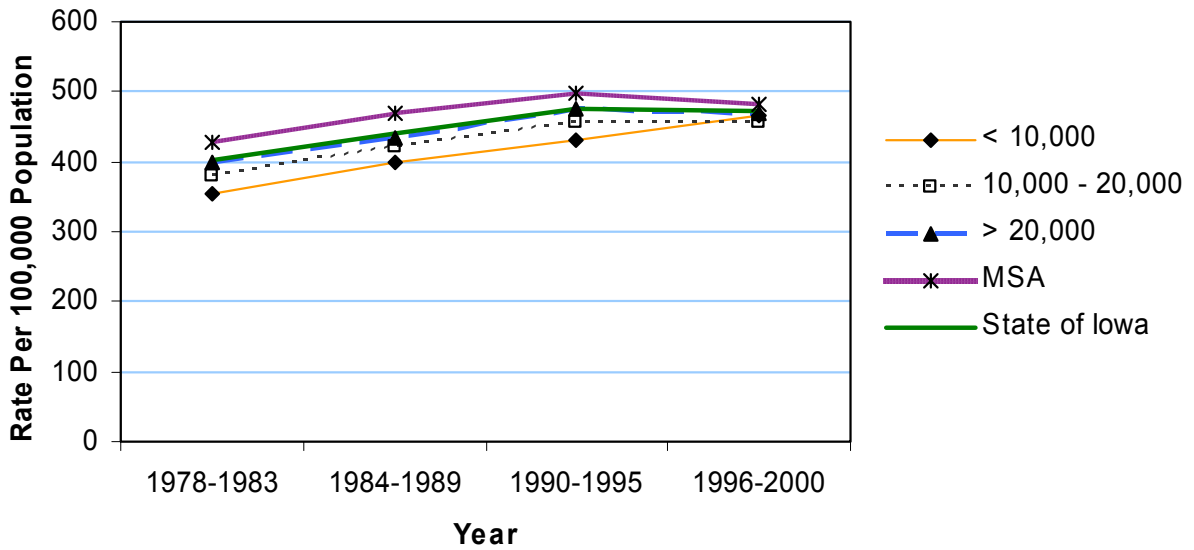
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

All Sites Cancer Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



All Sites of Cancer Mortality 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|--|---------------------|---------------|--|---|---------------|---------------|--|---|
| | | | | | | | | |
| Counties with Average Population < 10,000 | Adair | 266 | 289.1 (17) | 170.8 (88) | Lucas | 282 | 276.7 (31) | 189.0 (52) |
| | Adams | 150 | 296.3 (13) | 188.3 (53) | Monroe | 252 | 281.6 (28) | 195.6 (34) |
| | Audubon | 222 | 287.7 (20) | 175.5 (79) | Osceola | 177 | 224.4 (81) | 157.5 (97) |
| | Clarke | 225 | 237.2 (62) | 175.3 (81) | Pocahontas | 314 | 314.6 (07) | 200.6 (21) |
| | Davis | 213 | 229.5 (69) | 172.7 (86) | Ringgold | 192 | 322.0 (03) | 174.8 (83) |
| | Decatur | 255 | 276.0 (33) | 202.5 (19) | Taylor | 231 | 298.8 (10) | 170.4 (89) |
| | Fremont | 287 | 321.1 (05) | 220.2 (03) | Van Buren | 214 | 251.8 (50) | 178.9 (74) |
| | Howard | 310 | 283.3 (25) | 181.6 (69) | Wayne | 261 | 342.3 (02) | 199.8 (25) |
| | Ida | 224 | 250.1 (52) | 168.7 (92) | Worth | 248 | 283.8 (24) | 193.3 (41) |
| | | | | | Total | 4,323 | 280.0 | 184.5 |
| Counties with Average Population 10,000 to 20,000 | Allamakee | 373 | 236.4 (65) | 167.3 (94) | Humboldt | 341 | 294.7 (14) | 192.5 (46) |
| | Appanoose | 388 | 256.4 (48) | 174.3 (84) | Iowa | 408 | 245.1 (55) | 186.8 (56) |
| | Butler | 499 | 291.9 (15) | 197.7 (30) | Jefferson | 354 | 195.9 (91) | 175.0 (82) |
| | Calhoun | 393 | 313.2 (08) | 189.7 (51) | Keokuk | 361 | 285.3 (23) | 195.3 (35) |
| | Cass | 496 | 301.4 (09) | 196.1 (33) | Kossuth | 520 | 265.9 (37) | 186.4 (57) |
| | Cedar | 448 | 228.7 (72) | 177.3 (77) | Louisa | 273 | 208.5 (86) | 186.4 (57) |
| | Cherokee | 378 | 252.4 (49) | 178.4 (75) | Lyon | 340 | 261.0 (44) | 194.2 (39) |
| | Chickasaw | 327 | 224.5 (80) | 168.4 (93) | Madison | 385 | 264.5 (39) | 211.1 (09) |
| | Clay | 441 | 227.8 (73) | 179.9 (72) | Mills | 307 | 202.9 (89) | 194.3 (38) |
| | Clayton | 546 | 262.9 (41) | 193.3 (41) | Mitchell | 339 | 282.4 (27) | 183.3 (64) |
| | Crawford | 426 | 230.5 (68) | 175.4 (80) | Monona | 411 | 371.7 (01) | 213.9 (07) |
| | Delaware | 410 | 203.5 (88) | 182.8 (65) | Montgomery | 390 | 297.3 (12) | 197.9 (29) |
| | Dickinson | 480 | 278.0 (29) | 187.1 (55) | O'Brien | 461 | 270.8 (35) | 180.0 (71) |
| | Emmet | 329 | 262.2 (43) | 187.7 (54) | Page | 500 | 267.8 (36) | 181.8 (67) |
| | Floyd | 537 | 286.9 (22) | 202.8 (17) | Palo Alto | 367 | 321.5 (04) | 209.8 (11) |
| | Franklin | 278 | 228.9 (70) | 153.4 (99) | Poweshiek | 497 | 238.8 (61) | 181.7 (68) |
| | Greene | 311 | 275.2 (34) | 170.9 (87) | Sac | 382 | 290.1 (16) | 179.5 (73) |
| | Grundy | 318 | 237.0 (64) | 163.0 (95) | Shelby | 343 | 235.0 (66) | 159.9 (96) |
| Guthrie | 349 | 283.0 (26) | 186.4 (57) | Tama | 517 | 263.7 (40) | 190.5 (48) | |
| Hamilton | 475 | 265.0 (38) | 198.3 (28) | Union | 380 | 277.5 (30) | 199.8 (25) | |
| Hancock | 304 | 226.2 (77) | 169.7 (90) | Winnebago | 323 | 248.3 (54) | 173.5 (85) | |
| Hardin | 666 | 319.4 (06) | 210.6 (10) | Wright | 459 | 289.0 (18) | 182.4 (66) | |
| Harrison | 498 | 298.3 (11) | 218.3 (05) | Total | 18,328 | 261.9 | 186.5 | |
| Counties with Average Population > 20,000 | Benton | 628 | 239.3 (60) | 201.6 (20) | Jones | 504 | 227.7 (74) | 191.2 (47) |
| | Boone | 676 | 240.0 (59) | 184.7 (60) | Lee | 1,176 | 276.1 (32) | 224.4 (01) |
| | Bremer | 580 | 227.5 (75) | 184.4 (62) | Mahaska | 546 | 226.0 (78) | 183.4 (63) |
| | Buchanan | 563 | 243.0 (57) | 215.5 (06) | Marion | 769 | 225.5 (79) | 189.8 (50) |
| | Buena Vista | 563 | 251.2 (51) | 192.8 (45) | Marshall | 1,224 | 287.1 (21) | 223.8 (02) |
| | Carrroll | 612 | 258.0 (47) | 196.5 (32) | Muscatine | 896 | 198.0 (90) | 195.1 (36) |
| | Cerro Gordo | 1,339 | 259.4 (45) | 202.8 (17) | Plymouth | 615 | 230.6 (67) | 190.5 (48) |
| | Clinton | 1,373 | 245.1 (55) | 205.9 (14) | Sioux | 597 | 174.7 (96) | 156.8 (98) |
| | Des Moines | 1,135 | 241.2 (58) | 197.1 (31) | Story | 1,173 | 138.9 (98) | 177.6 (76) |
| | Fayette | 638 | 262.3 (42) | 193.7 (40) | Wapello | 1,143 | 288.5 (19) | 219.8 (04) |
| | Henry | 496 | 226.6 (76) | 192.9 (44) | Washington | 509 | 228.8 (71) | 169.0 (91) |
| | Jackson | 553 | 249.5 (53) | 200.2 (23) | Webster | 1,137 | 258.7 (46) | 200.5 (22) |
| | Jasper | 933 | 237.1 (63) | 195.1 (36) | Winneshiek | 478 | 205.7 (87) | 176.5 (78) |
| | | | | | Total | 20,856 | 232.5 | 196.1 |
| MSA Counties | Black Hawk | 3,027 | 217.0 (84) | 206.5 (13) | Polk | 7,269 | 187.4 (95) | 208.4 (12) |
| | Dallas | 748 | 195.8 (92) | 193.0 (43) | Pottawattamie | 2,061 | 221.1 (83) | 212.4 (08) |
| | Dubuque | 2,168 | 223.1 (82) | 203.5 (16) | Scott | 3,233 | 188.4 (94) | 205.0 (15) |
| | Johnson | 1,314 | 115.0 (99) | 184.6 (61) | Warren | 708 | 166.9 (97) | 181.3 (70) |
| | Linn | 3,804 | 191.1 (93) | 198.8 (27) | Woodbury | 2,395 | 212.9 (85) | 200.0 (24) |
| | State Totals | 70,234 | 223.2 | 195.1 | Total | 26,727 | 191.5 | 203.0 |

¹Rates per 100,000 population

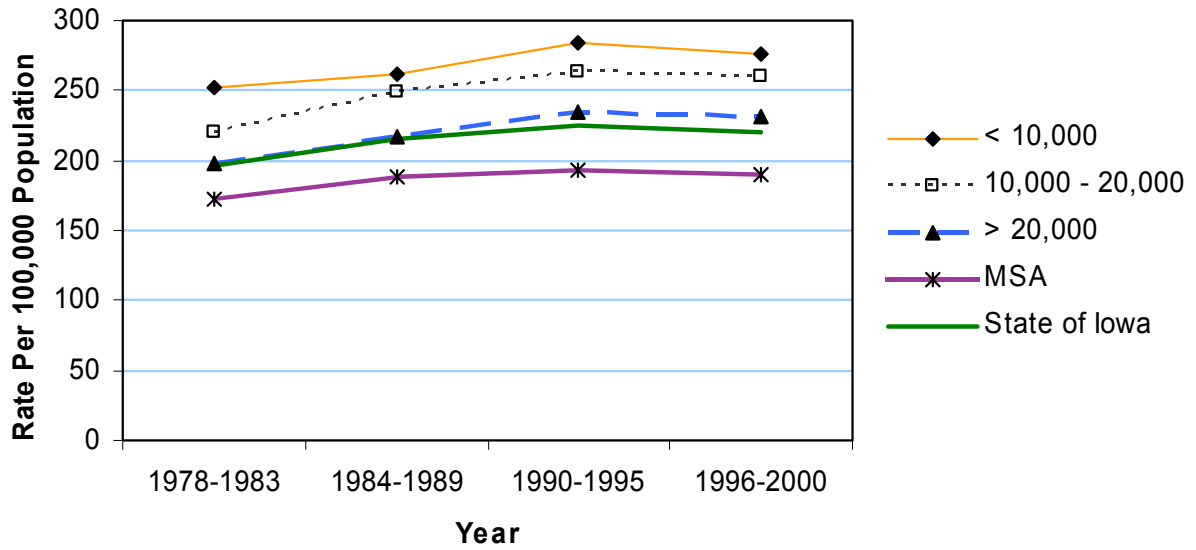
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

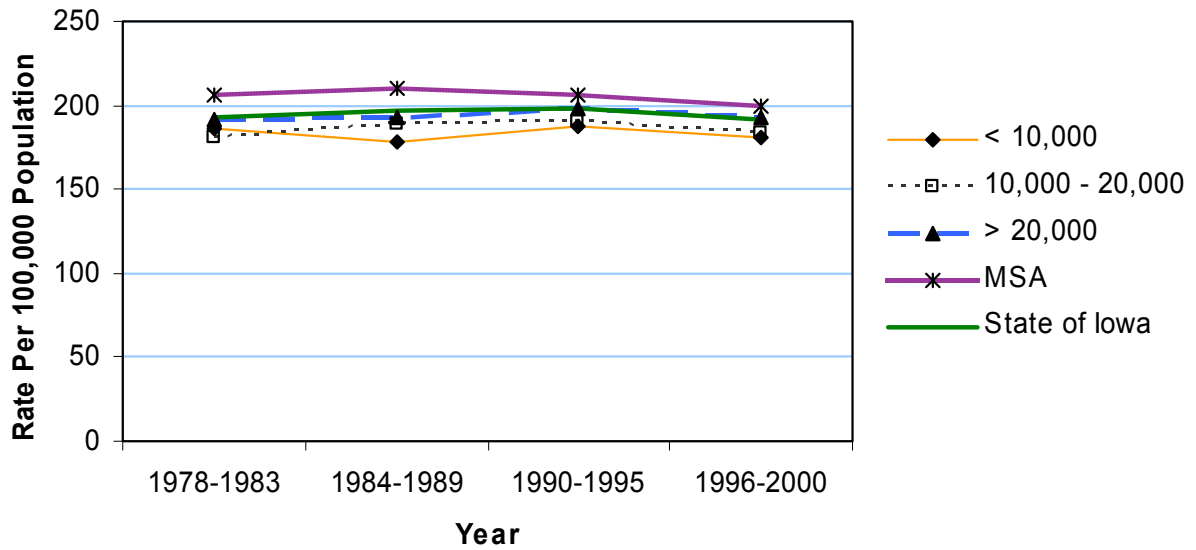
Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

All Sites of Cancer Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Prostate Cancer Incidence 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|---|---|------------|--|---|---------------|------------|--|---|
| | | | | | | | | |
| Counties with Average Population < 10,000 | Adair | 100 | 223.7 (19) | 154.6 (57) | Lucas | 104 | 211.9 (27) | 162.4 (42) |
| | Adams | 48 | 193.2 (43) | 139.7 (84) | Monroe | 86 | 198.4 (38) | 154.2 (58) |
| | Audubon | 92 | 248.5 (09) | 166.3 (36) | Osceola | 72 | 187.7 (50) | 152.2 (65) |
| | Clarke | 87 | 190.3 (45) | 158.3 (51) | Pocahontas | 139 | 286.0 (04) | 203.9 (05) |
| | Davis | 79 | 173.2 (65) | 147.7 (74) | Ringgold | 78 | 272.6 (05) | 172.9 (25) |
| | Decatur | 66 | 147.3 (82) | 116.9 (99) | Taylor | 69 | 186.4 (53) | 124.3 (94) |
| | Fremont | 72 | 167.6 (70) | 131.0 (91) | Van Buren | 95 | 225.4 (16) | 170.4 (29) |
| | Howard | 120 | 224.1 (18) | 161.8 (44) | Wayne | 106 | 291.8 (03) | 175.2 (23) |
| | Ida | 92 | 212.3 (26) | 160.6 (45) | Worth | 85 | 198.8 (37) | 156.2 (53) |
| | | | | | Total | 1,590 | 212.3 | 156.7 |
| | Counties with Average Population 10,000 to 20,000 | Allamakee | 162 | 207.6 (30) | 172.6 (26) | Humboldt | 121 | 214.8 (23) |
| Appanoose | | 160 | 221.7 (20) | 166.5 (34) | Iowa | 138 | 170.5 (67) | 148.1 (72) |
| Butler | | 220 | 262.7 (07) | 206.6 (04) | Jefferson | 107 | 121.3 (92) | 132.8 (88) |
| Calhoun | | 123 | 200.6 (35) | 144.2 (80) | Keokuk | 115 | 187.1 (52) | 148.2 (71) |
| Cass | | 149 | 188.4 (49) | 143.4 (81) | Kossuth | 183 | 192.1 (44) | 150.9 (69) |
| Cedar | | 167 | 173.7 (63) | 152.9 (64) | Louisa | 75 | 114.9 (96) | 117.2 (98) |
| Cherokee | | 174 | 238.3 (13) | 189.5 (16) | Lyon | 127 | 197.7 (41) | 171.0 (28) |
| Chickasaw | | 129 | 177.6 (62) | 154.1 (60) | Madison | 116 | 162.4 (74) | 153.1 (63) |
| Clay | | 200 | 215.4 (22) | 194.9 (11) | Mills | 112 | 148.5 (81) | 168.5 (32) |
| Clayton | | 183 | 178.8 (61) | 146.3 (77) | Mitchell | 141 | 241.0 (11) | 170.3 (30) |
| Crawford | | 168 | 184.7 (55) | 160.3 (46) | Monona | 129 | 243.1 (10) | 163.3 (41) |
| Delaware | | 139 | 139.7 (87) | 139.0 (86) | Montgomery | 133 | 214.5 (24) | 164.3 (40) |
| Dickinson | | 244 | 292.3 (02) | 211.9 (03) | O'Brien | 207 | 250.7 (08) | 196.0 (10) |
| Emmet | | 139 | 229.1 (15) | 193.1 (13) | Page | 138 | 149.3 (80) | 119.7 (97) |
| Floyd | | 186 | 207.5 (32) | 162.3 (43) | Palo Alto | 162 | 292.5 (01) | 223.0 (02) |
| Franklin | | 112 | 189.8 (46) | 146.1 (78) | Poweshiek | 147 | 146.9 (83) | 131.2 (90) |
| Greene | | 94 | 172.4 (66) | 124.1 (95) | Sac | 154 | 239.6 (12) | 169.9 (31) |
| Grundy | | 144 | 221.4 (21) | 175.8 (22) | Shelby | 135 | 189.3 (48) | 139.1 (85) |
| Guthrie | | 135 | 224.9 (17) | 165.0 (39) | Tama | 227 | 237.5 (14) | 191.7 (15) |
| Hamilton | | 174 | 198.1 (39) | 166.3 (36) | Union | 120 | 184.5 (56) | 153.3 (62) |
| Hancock | 114 | 173.3 (64) | 144.8 (79) | Winnebago | 116 | 183.4 (58) | 149.6 (70) | |
| Hardin | 211 | 208.3 (29) | 160.2 (48) | Wright | 154 | 201.2 (34) | 143.4 (81) | |
| Harrison | 158 | 194.4 (42) | 166.5 (34) | Total | 6,742 | 197.8 | 161.5 | |
| Counties with Average Population > 20,000 | Benton | 233 | 179.1 (60) | 173.8 (24) | Jones | 168 | 145.1 (85) | 151.1 (68) |
| | Boone | 229 | 168.1 (69) | 154.2 (58) | Lee | 343 | 163.5 (73) | 160.0 (49) |
| | Bremer | 258 | 208.9 (28) | 197.4 (09) | Mahaska | 202 | 169.7 (68) | 156.1 (55) |
| | Buchanan | 211 | 184.5 (56) | 192.3 (14) | Marion | 223 | 131.5 (89) | 121.6 (96) |
| | Buena Vista | 295 | 267.5 (06) | 236.3 (01) | Marshall | 418 | 199.4 (36) | 172.2 (27) |
| | Carroll | 239 | 207.6 (30) | 184.3 (18) | Muscatine | 287 | 128.7 (91) | 151.2 (67) |
| | Cerro Gordo | 400 | 162.4 (74) | 148.0 (73) | Plymouth | 280 | 212.8 (25) | 201.3 (08) |
| | Clinton | 436 | 161.3 (77) | 156.6 (52) | Sioux | 312 | 187.2 (51) | 193.7 (12) |
| | Des Moines | 359 | 158.8 (78) | 153.7 (61) | Story | 467 | 107.5 (97) | 177.4 (20) |
| | Fayette | 236 | 198.1 (39) | 165.9 (38) | Wapello | 314 | 164.3 (72) | 141.8 (83) |
| | Henry | 146 | 132.1 (88) | 138.6 (87) | Washington | 177 | 165.1 (71) | 147.5 (75) |
| | Jackson | 200 | 183.3 (59) | 166.9 (33) | Webster | 436 | 204.2 (33) | 184.7 (17) |
| | Jasper | 273 | 140.4 (86) | 130.2 (92) | Winneshiek | 176 | 154.4 (79) | 147.2 (76) |
| | | | | | Total | 7,318 | 165.9 | 163.7 |
| MSA Counties | Black Hawk | 1,237 | 185.4 (54) | 202.3 (06) | Polk | 2,231 | 119.5 (93) | 158.8 (50) |
| | Dallas | 243 | 129.6 (90) | 154.9 (56) | Pottawattamie | 522 | 115.5 (95) | 126.2 (93) |
| | Dubuque | 893 | 189.4 (47) | 201.6 (07) | Scott | 995 | 119.1 (94) | 151.3 (66) |
| | Johnson | 470 | 82.7 (99) | 156.2 (53) | Warren | 219 | 106.1 (98) | 132.7 (89) |
| | Linn | 1,426 | 146.8 (84) | 177.3 (21) | Woodbury | 886 | 162.0 (76) | 183.8 (19) |
| | | | | | Total | 9,122 | 134.7 | 168.1 |
| State Totals | | 24,772 | 161.5 | 164.7 | | | | |

¹Rates per 100,000 population

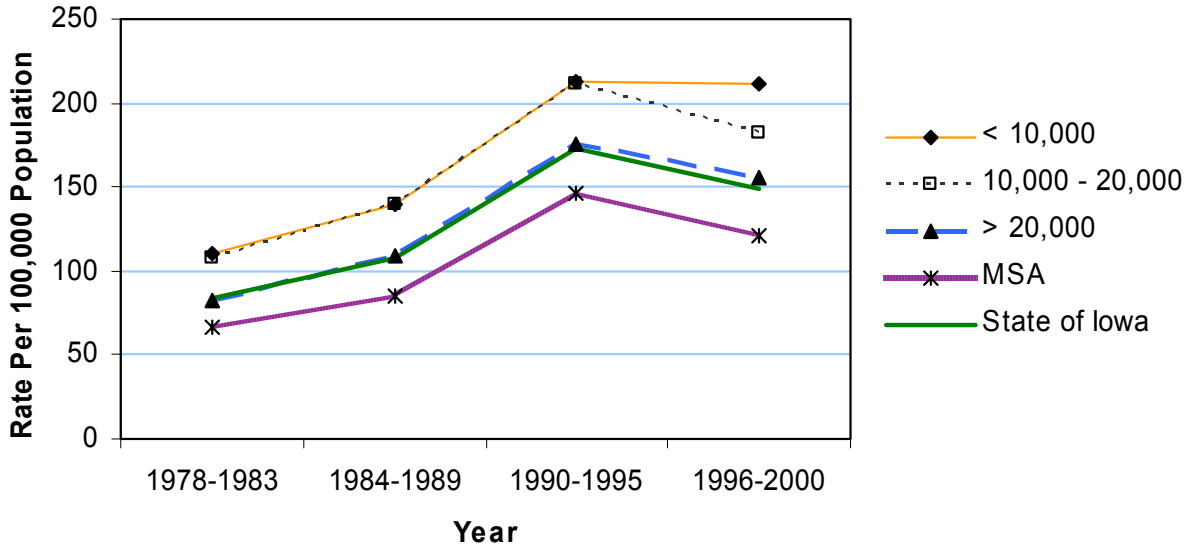
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

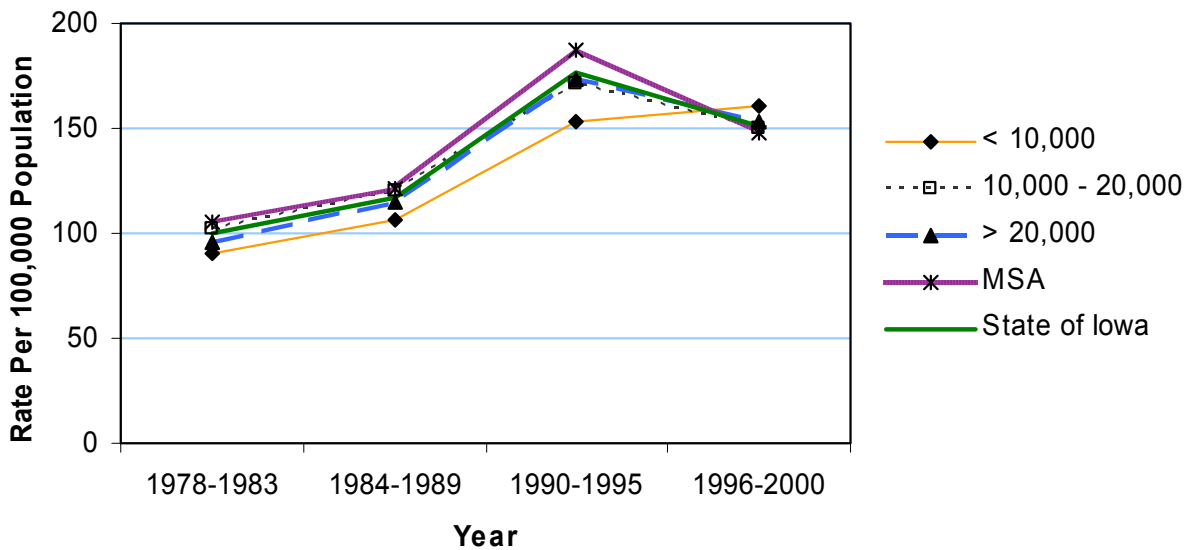
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

Prostate Cancer Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Prostate Cancer Mortality 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|---|-------------|--------------|--|---|---------------|--------------|--|---|
| | | | | | | | | |
| Counties with Average Population < 10,000 | Adair | 24 | 53.7 (12) | 35.4 (40) | Lucas | 19 | 38.7 (52) | 29.9 (82) |
| | Adams | 13 | 52.3 (15) | 37.0 (32) | Monroe | 18 | 41.5 (39) | 34.7 (42) |
| | Audubon | 23 | 62.1 (05) | 43.6 (13) | Osceola | 17 | 44.3 (29) | 37.3 (28) |
| | Clarke | 16 | 35.0 (63) | 29.1 (86) | Pocahontas | 21 | 43.2 (31) | 31.5 (70) |
| | Davis | 19 | 41.6 (38) | 37.3 (28) | Ringgold | 19 | 66.4 (04) | 41.4 (17) |
| | Decatur | 23 | 51.3 (17) | 41.5 (16) | Taylor | 19 | 51.3 (17) | 32.9 (58) |
| | Fremont | 23 | 53.5 (13) | 40.4 (20) | Van Buren | 17 | 40.3 (44) | 30.8 (74) |
| | Howard | 33 | 61.6 (06) | 43.9 (12) | Wayne | 30 | 82.6 (01) | 46.8 (06) |
| | Ida | 25 | 57.7 (08) | 44.9 (10) | Worth | 18 | 42.1 (36) | 32.4 (63) |
| | | | | | Total | 377 | 50.3 | 37.2 |
| Counties with Average Population 10,000 to 20,000 | Allamakee | 33 | 42.3 (34) | 36.6 (33) | Humboldt | 25 | 44.4 (28) | 33.3 (55) |
| | Appanoose | 29 | 40.2 (45) | 29.8 (83) | Iowa | 28 | 34.6 (65) | 31.1 (72) |
| | Butler | 36 | 43.0 (32) | 34.4 (46) | Jefferson | 22 | 24.9 (90) | 27.3 (94) |
| | Calhoun | 25 | 40.8 (41) | 28.7 (89) | Keokuk | 24 | 39.1 (50) | 30.1 (79) |
| | Cass | 39 | 49.3 (19) | 37.7 (27) | Kossuth | 37 | 38.8 (51) | 31.8 (67) |
| | Cedar | 34 | 35.4 (61) | 32.5 (62) | Louisa | 15 | 23.0 (92) | 24.8 (99) |
| | Cherokee | 32 | 43.8 (30) | 36.0 (35) | Lyon | 21 | 32.7 (71) | 29.7 (84) |
| | Chickasaw | 24 | 33.0 (70) | 30.4 (76) | Madison | 37 | 51.8 (16) | 49.3 (03) |
| | Clay | 33 | 35.5 (60) | 34.7 (42) | Mills | 17 | 22.5 (94) | 29.1 (86) |
| | Clayton | 41 | 40.0 (46) | 33.5 (53) | Mitchell | 28 | 47.8 (21) | 33.0 (57) |
| | Crawford | 25 | 27.5 (83) | 25.3 (97) | Monona | 41 | 77.3 (02) | 50.9 (02) |
| | Delaware | 25 | 25.1 (87) | 28.6 (90) | Montgomery | 21 | 33.9 (68) | 25.1 (98) |
| | Dickinson | 34 | 40.7 (43) | 31.1 (72) | O'Brien | 34 | 41.2 (40) | 33.4 (54) |
| | Emmet | 28 | 46.1 (23) | 38.3 (25) | Page | 35 | 37.9 (55) | 30.4 (76) |
| | Floyd | 49 | 54.7 (11) | 44.5 (11) | Palo Alto | 39 | 70.4 (03) | 53.9 (01) |
| | Franklin | 19 | 32.2 (73) | 25.6 (96) | Poweshiek | 38 | 38.0 (54) | 34.5 (44) |
| | Greene | 23 | 42.2 (35) | 30.5 (75) | Sac | 37 | 57.6 (09) | 40.5 (19) |
| | Grundy | 26 | 40.0 (46) | 32.1 (65) | Shelby | 32 | 44.9 (27) | 33.8 (51) |
| | Guthrie | 33 | 55.0 (10) | 41.6 (15) | Tama | 37 | 38.7 (52) | 32.1 (65) |
| | Hamilton | 30 | 34.2 (67) | 31.8 (67) | Union | 26 | 40.0 (46) | 35.5 (38) |
| Hancock | 24 | 36.5 (59) | 32.9 (58) | Winnebago | 38 | 60.1 (07) | 47.4 (05) | |
| Hardin | 43 | 42.5 (33) | 32.2 (64) | Wright | 32 | 41.8 (37) | 30.0 (81) | |
| Harrison | 43 | 52.9 (14) | 46.6 (07) | Total | 1,392 | 40.8 | 34.3 | |
| Counties with Average Population > 20,000 | Benton | 37 | 28.4 (80) | 30.2 (78) | Jones | 36 | 31.1 (77) | 37.2 (30) |
| | Boone | 50 | 36.7 (57) | 35.1 (41) | Lee | 65 | 31.0 (78) | 34.0 (50) |
| | Bremer | 56 | 45.3 (24) | 46.0 (09) | Mahaska | 44 | 37.0 (56) | 35.8 (36) |
| | Buchanan | 45 | 39.3 (49) | 46.1 (08) | Marion | 51 | 30.1 (79) | 29.3 (85) |
| | Buena Vista | 50 | 45.3 (24) | 40.4 (20) | Marshall | 95 | 45.3 (24) | 41.9 (14) |
| | Carroll | 47 | 40.8 (41) | 38.1 (26) | Muscatine | 60 | 26.9 (84) | 35.5 (38) |
| | Cerro Gordo | 68 | 27.6 (82) | 27.7 (93) | Plymouth | 46 | 35.0 (63) | 34.1 (49) |
| | Clinton | 70 | 25.9 (85) | 28.5 (91) | Sioux | 47 | 28.2 (81) | 31.2 (71) |
| | Des Moines | 76 | 33.6 (69) | 35.6 (37) | Story | 97 | 22.3 (95) | 40.6 (18) |
| | Fayette | 39 | 32.7 (71) | 28.8 (88) | Wapello | 70 | 36.6 (58) | 34.4 (46) |
| | Henry | 38 | 34.4 (66) | 37.1 (31) | Washington | 50 | 46.6 (22) | 40.3 (22) |
| | Jackson | 53 | 48.6 (20) | 47.8 (04) | Webster | 75 | 35.1 (62) | 34.5 (44) |
| | Jasper | 62 | 31.9 (75) | 33.7 (52) | Winneshiek | 36 | 31.6 (76) | 31.6 (69) |
| | | | | | Total | 1,463 | 33.2 | 35.4 |
| MSA Counties | Black Hawk | 214 | 32.1 (74) | 39.3 (23) | Polk | 444 | 23.8 (91) | 38.7 (24) |
| | Dallas | 47 | 25.1 (87) | 34.3 (48) | Pottawattamie | 94 | 20.8 (97) | 26.1 (95) |
| | Dubuque | 118 | 25.0 (89) | 32.6 (61) | Scott | 178 | 21.3 (96) | 33.1 (56) |
| | Johnson | 78 | 13.7 (99) | 32.7 (60) | Warren | 41 | 19.9 (98) | 30.1 (79) |
| | Linn | 246 | 25.3 (86) | 36.4 (34) | Woodbury | 124 | 22.7 (93) | 28.5 (91) |
| | | | | | Total | 1,584 | 23.4 | 34.6 |
| State Totals | | 4,816 | 31.4 | 34.9 | | | | |

¹Rates per 100,000 population

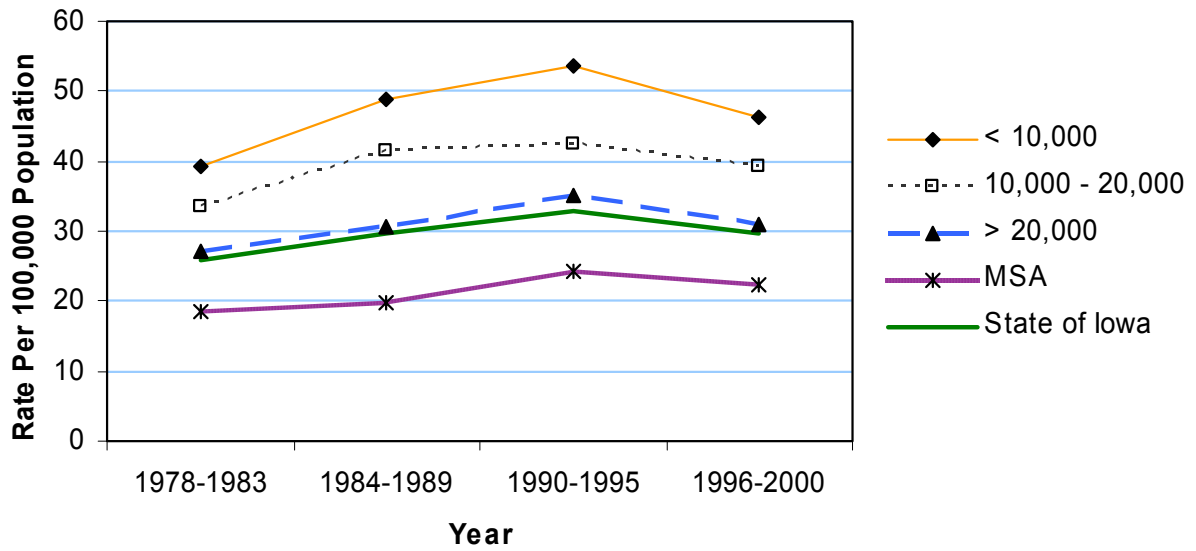
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

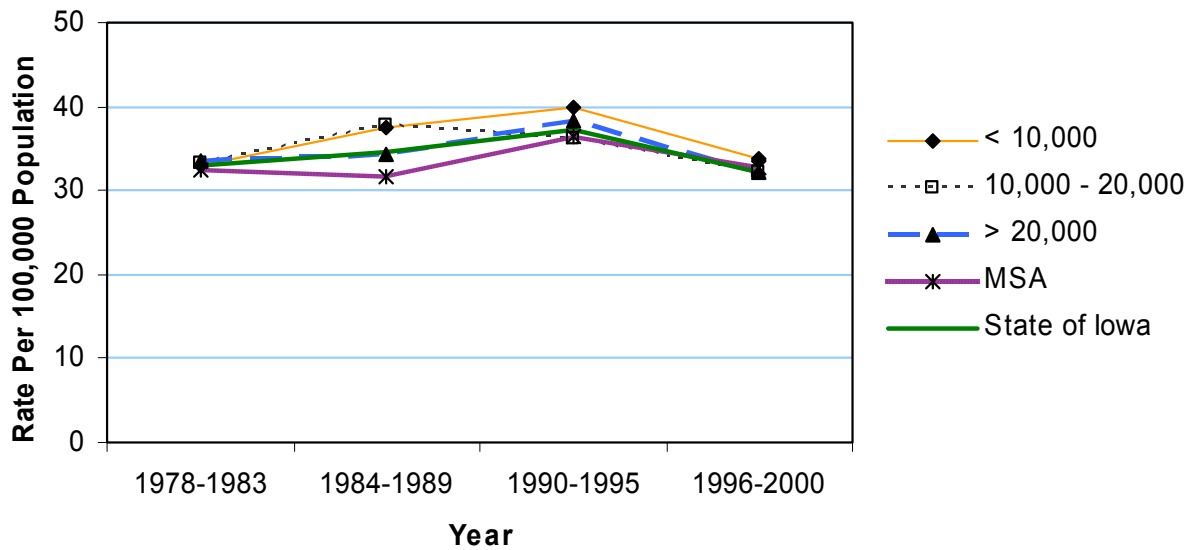
Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

Prostate Cancer Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Lung & Bronchus Cancer Incidence 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|--|---|------------|--|---|---------------|-----------|--|---|
| | Counties with Average Population < 10,000 | Adair | 80 | 86.9 (33) | 56.8 (64) | Lucas | 96 | 94.2 (20) |
| Adams | | 42 | 83.0 (38) | 54.9 (73) | Monroe | 91 | 101.7 (09) | 74.7 (15) |
| Audubon | | 52 | 67.4 (80) | 40.9 (96) | Osceola | 49 | 62.1 (85) | 47.2 (87) |
| Clarke | | 57 | 60.1 (88) | 46.1 (89) | Pocahontas | 82 | 82.2 (41) | 55.7 (68) |
| Davis | | 70 | 75.4 (54) | 59.4 (58) | Ringgold | 61 | 102.3 (08) | 60.1 (56) |
| Decatur | | 71 | 76.9 (53) | 58.6 (59) | Taylor | 67 | 86.7 (34) | 53.1 (76) |
| Fremont | | 89 | 99.6 (13) | 69.0 (24) | Van Buren | 68 | 80.0 (47) | 56.3 (66) |
| Howard | | 75 | 68.5 (75) | 43.9 (93) | Wayne | 82 | 107.6 (02) | 66.4 (38) |
| Ida | | 62 | 69.2 (73) | 51.8 (79) | Worth | 81 | 92.7 (23) | 67.2 (33) |
| | | | | | Total | 1,275 | 82.6 | 57.2 |
| Counties with Average Population 10,000 to 20,000 | Allamakee | 116 | 73.5 (58) | 55.3 (71) | Humboldt | 111 | 95.9 (15) | 64.3 (44) |
| | Appanoose | 134 | 88.5 (29) | 62.5 (47) | Iowa | 110 | 66.1 (82) | 53.0 (77) |
| | Butler | 122 | 71.4 (67) | 50.1 (81) | Jefferson | 99 | 54.8 (94) | 50.9 (80) |
| | Calhoun | 125 | 99.6 (13) | 63.2 (46) | Keokuk | 131 | 103.5 (07) | 76.1 (11) |
| | Cass | 156 | 94.8 (18) | 65.5 (42) | Kossuth | 142 | 72.6 (61) | 52.0 (78) |
| | Cedar | 137 | 69.9 (70) | 57.7 (62) | Louisa | 89 | 68.0 (78) | 60.8 (54) |
| | Cherokee | 119 | 79.5 (50) | 58.1 (60) | Lyon | 94 | 72.2 (63) | 55.5 (70) |
| | Chickasaw | 118 | 81.0 (43) | 62.2 (50) | Madison | 116 | 79.7 (49) | 67.3 (32) |
| | Clay | 136 | 70.3 (69) | 56.7 (65) | Mills | 112 | 74.0 (57) | 70.9 (22) |
| | Clayton | 149 | 71.7 (65) | 54.1 (74) | Mitchell | 109 | 90.8 (27) | 59.7 (57) |
| | Crawford | 134 | 72.5 (62) | 55.1 (72) | Monona | 124 | 112.2 (01) | 67.2 (33) |
| | Delaware | 136 | 67.5 (79) | 60.9 (53) | Montgomery | 124 | 94.5 (19) | 66.9 (35) |
| | Dickinson | 181 | 104.8 (05) | 68.4 (26) | O'Brien | 104 | 61.1 (86) | 43.8 (94) |
| | Emmet | 104 | 82.9 (39) | 62.4 (48) | Page | 197 | 105.5 (04) | 76.1 (11) |
| | Floyd | 172 | 91.9 (25) | 67.5 (31) | Palo Alto | 105 | 92.0 (24) | 62.3 (49) |
| | Franklin | 68 | 56.0 (93) | 39.4 (97) | Poweshiek | 118 | 56.7 (91) | 45.4 (92) |
| | Greene | 83 | 73.4 (59) | 49.1 (83) | Sac | 92 | 69.9 (70) | 45.7 (91) |
| | Grundy | 82 | 61.1 (86) | 42.1 (95) | Shelby | 102 | 69.9 (70) | 48.5 (84) |
| | Guthrie | 116 | 94.1 (21) | 63.5 (45) | Tama | 147 | 75.0 (55) | 58.1 (60) |
| | Hamilton | 162 | 90.4 (28) | 70.1 (23) | Union | 143 | 104.4 (06) | 81.6 (04) |
| Hancock | 92 | 68.5 (75) | 53.2 (75) | Winnebago | 63 | 48.4 (96) | 37.7 (98) | |
| Hardin | 184 | 88.3 (31) | 60.4 (55) | Wright | 137 | 86.3 (35) | 57.6 (63) | |
| Harrison | 177 | 106.0 (03) | 81.9 (03) | Total | 5,572 | 79.6 | 59.0 | |
| Counties with Average Population > 20,000 | Benton | 203 | 77.3 (51) | 66.9 (35) | Jones | 177 | 80.0 (47) | 68.3 (27) |
| | Boone | 239 | 84.9 (37) | 67.9 (30) | Lee | 433 | 101.7 (09) | 83.6 (02) |
| | Bremer | 170 | 66.7 (81) | 55.6 (69) | Mahaska | 200 | 82.8 (40) | 68.1 (29) |
| | Buchanan | 170 | 73.4 (59) | 66.0 (40) | Marion | 241 | 70.7 (68) | 61.4 (51) |
| | Buena Vista | 130 | 58.0 (89) | 46.7 (88) | Marshall | 429 | 100.6 (11) | 79.6 (05) |
| | Carroll | 190 | 80.1 (46) | 64.4 (43) | Muscatine | 313 | 69.2 (73) | 68.6 (25) |
| | Cerro Gordo | 490 | 94.9 (17) | 74.9 (14) | Plymouth | 151 | 56.6 (92) | 47.3 (86) |
| | Clinton | 479 | 85.5 (36) | 72.5 (19) | Sioux | 129 | 37.7 (97) | 34.6 (99) |
| | Des Moines | 416 | 88.4 (30) | 74.7 (15) | Story | 314 | 37.2 (98) | 49.6 (82) |
| | Fayette | 197 | 81.0 (43) | 61.2 (52) | Wapello | 396 | 100.0 (12) | 78.1 (09) |
| | Henry | 163 | 74.5 (56) | 65.8 (41) | Washington | 129 | 58.0 (89) | 46.1 (89) |
| | Jackson | 194 | 87.5 (32) | 71.3 (20) | Webster | 411 | 93.5 (22) | 75.6 (13) |
| | Jasper | 376 | 95.6 (16) | 79.0 (07) | Winneshiek | 126 | 54.2 (95) | 47.7 (85) |
| | | | | | Total | 6,866 | 76.6 | 66.2 |
| MSA Counties | Black Hawk | 1,144 | 82.0 (42) | 78.4 (08) | Polk | 2,775 | 71.5 (66) | 79.6 (05) |
| | Dallas | 252 | 66.0 (83) | 66.7 (37) | Pottawattamie | 850 | 91.2 (26) | 85.9 (01) |
| | Dubuque | 782 | 80.5 (45) | 74.1 (17) | Scott | 1,233 | 71.9 (64) | 77.6 (10) |
| | Johnson | 393 | 34.4 (99) | 55.8 (67) | Warren | 265 | 62.5 (84) | 68.3 (27) |
| | Linn | 1,360 | 68.3 (77) | 71.3 (20) | Woodbury | 866 | 77.0 (52) | 73.8 (18) |
| | | | | | Total | 9,920 | 71.1 | 75.6 |
| State Totals | 23,633 | 75.1 | 67.2 | | | | | |

¹Rates per 100,000 population

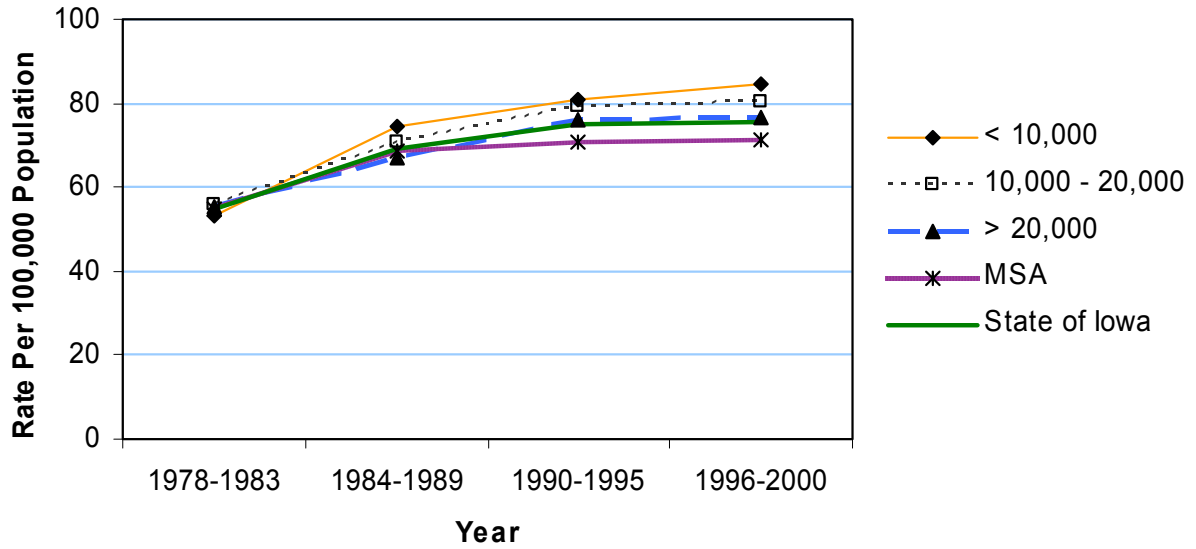
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

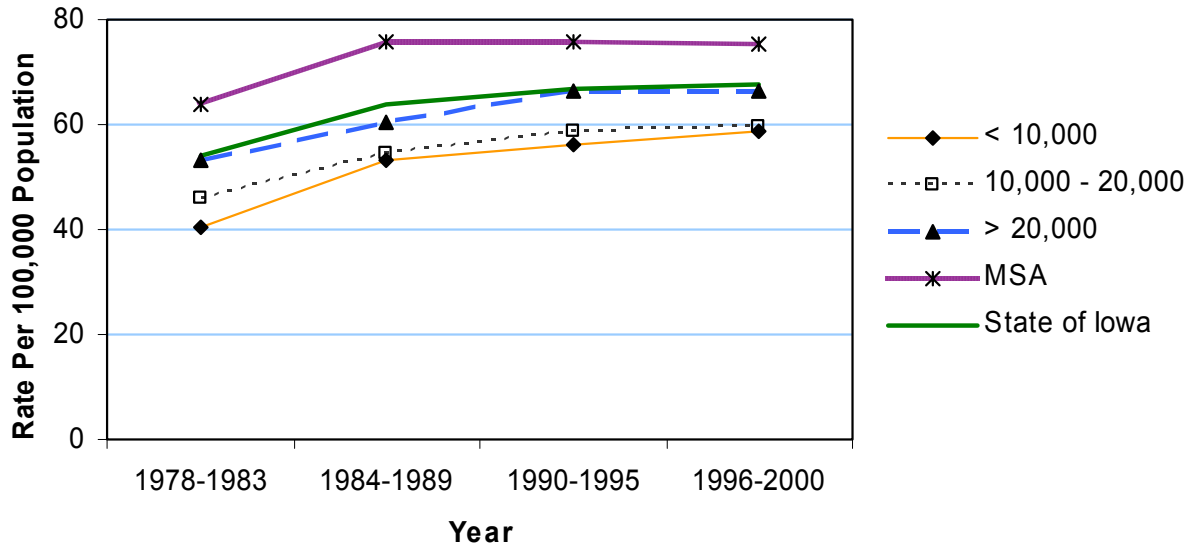
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

Lung & Bronchus Cancer Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Lung & Bronchus Cancer Mortality 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|--|---|-----------|--|---|---------------|-----------|--|---|
| | Counties with Average Population < 10,000 | Adair | 68 | 73.9 (25) | 45.6 (58) | Lucas | 81 | 79.5 (11) |
| Adams | | 36 | 71.1 (29) | 47.3 (51) | Monroe | 70 | 78.2 (14) | 56.1 (20) |
| Audubon | | 43 | 55.7 (66) | 34.0 (93) | Osceola | 36 | 45.6 (89) | 34.8 (91) |
| Clarke | | 53 | 55.9 (65) | 41.7 (73) | Pocahontas | 75 | 75.1 (21) | 48.5 (48) |
| Davis | | 55 | 59.3 (53) | 45.8 (57) | Ringgold | 46 | 77.2 (16) | 43.2 (68) |
| Decatur | | 51 | 55.2 (67) | 41.7 (73) | Taylor | 50 | 64.7 (39) | 37.0 (85) |
| Fremont | | 76 | 85.0 (06) | 56.8 (18) | Van Buren | 48 | 56.5 (63) | 39.9 (80) |
| Howard | | 55 | 50.3 (84) | 30.4 (97) | Wayne | 66 | 86.6 (03) | 51.3 (37) |
| Ida | | 45 | 50.2 (85) | 36.4 (87) | Worth | 56 | 64.1 (40) | 44.0 (62) |
| | | | | | Total | 1,010 | 65.4 | 44.1 |
| Counties with Average Population 10,000 to 20,000 | | Allamakee | 89 | 56.4 (64) | 41.4 (76) | Humboldt | 96 | 83 (08) |
| | Appanoose | 96 | 63.4 (43) | 43.8 (64) | Iowa | 89 | 53.5 (72) | 42.4 (70) |
| | Butler | 104 | 60.8 (48) | 41.8 (71) | Jefferson | 82 | 45.4 (92) | 41.2 (77) |
| | Calhoun | 101 | 80.5 (09) | 49.8 (45) | Keokuk | 88 | 69.5 (32) | 51.8 (36) |
| | Cass | 130 | 79 (12) | 53 (31) | Kossuth | 100 | 51.1 (81) | 36.5 (86) |
| | Cedar | 98 | 50 (86) | 39.8 (81) | Louisa | 65 | 49.6 (87) | 44.3 (60) |
| | Cherokee | 79 | 52.8 (75) | 37.4 (84) | Lyon | 80 | 61.4 (47) | 46.3 (55) |
| | Chickasaw | 86 | 59.1 (55) | 45 (59) | Madison | 88 | 60.4 (49) | 50.2 (41) |
| | Clay | 112 | 57.9 (60) | 46.4 (54) | Mills | 88 | 58.1 (58) | 55.6 (24) |
| | Clayton | 121 | 58.3 (57) | 43.8 (64) | Mitchell | 85 | 70.8 (30) | 46 (56) |
| | Crawford | 106 | 57.4 (62) | 43.8 (64) | Monona | 99 | 89.5 (01) | 52.1 (34) |
| | Delaware | 104 | 51.6 (79) | 46.5 (53) | Montgomery | 109 | 83.1 (07) | 60.3 (09) |
| | Dickinson | 139 | 80.5 (09) | 52.9 (32) | O'Brien | 87 | 51.1 (81) | 34.1 (92) |
| | Emmet | 75 | 59.8 (51) | 44.3 (60) | Page | 141 | 75.5 (20) | 53.3 (28) |
| | Floyd | 134 | 71.6 (27) | 52 (35) | Palo Alto | 78 | 68.3 (33) | 46.6 (52) |
| | Franklin | 63 | 51.9 (78) | 35.8 (89) | Poweshiek | 109 | 52.4 (76) | 40.6 (78) |
| | Greene | 68 | 60.2 (50) | 40.5 (79) | Sac | 70 | 53.2 (74) | 33.3 (95) |
| | Grundy | 60 | 44.7 (93) | 30.2 (98) | Shelby | 76 | 52.1 (77) | 36 (88) |
| | Guthrie | 95 | 77 (17) | 50.8 (38) | Tama | 106 | 54.1 (71) | 41.5 (75) |
| | Hamilton | 132 | 73.7 (26) | 56 (21) | Union | 104 | 76 (19) | 57.7 (16) |
| Hancock | 74 | 55.1 (68) | 43.6 (67) | Winnebago | 56 | 43 (96) | 32.1 (96) | |
| Hardin | 156 | 74.8 (22) | 50 (44) | Wright | 118 | 74.3 (24) | 48 (49) | |
| Harrison | 144 | 86.2 (04) | 65.7 (03) | Total | 4,380 | 62.6 | 45.6 | |
| Counties with Average Population > 20,000 | Benton | 155 | 59.1 (55) | 50.6 (39) | Jones | 131 | 59.2 (54) | 49.6 (47) |
| | Boone | 191 | 67.8 (34) | 53.1 (30) | Lee | 365 | 85.7 (05) | 70.0 (01) |
| | Bremer | 131 | 51.4 (80) | 41.8 (71) | Mahaska | 152 | 62.9 (44) | 50.2 (41) |
| | Buchanan | 145 | 62.6 (45) | 54.9 (25) | Marion | 197 | 57.8 (61) | 50.1 (43) |
| | Buena Vista | 102 | 45.5 (90) | 35.4 (90) | Marshall | 372 | 87.3 (02) | 67.8 (02) |
| | Carroll | 141 | 59.4 (52) | 47.6 (50) | Muscataine | 241 | 53.3 (73) | 52.6 (33) |
| | Cerro Gordo | 407 | 78.8 (13) | 62.0 (08) | Plymouth | 126 | 47.2 (88) | 39.3 (82) |
| | Clinton | 395 | 70.5 (31) | 59.2 (12) | Sioux | 99 | 29.0 (98) | 26.3 (99) |
| | Des Moines | 316 | 67.1 (38) | 55.8 (22) | Story | 274 | 32.4 (97) | 43.0 (69) |
| | Fayette | 165 | 67.8 (34) | 50.5 (40) | Wapello | 308 | 77.7 (15) | 60.3 (09) |
| | Henry | 140 | 63.9 (41) | 55.7 (23) | Washington | 96 | 43.1 (95) | 33.5 (94) |
| | Jackson | 158 | 71.3 (28) | 57.7 (16) | Webster | 328 | 74.6 (23) | 60.1 (11) |
| | Jasper | 301 | 76.5 (18) | 62.6 (07) | Winneshiek | 102 | 43.9 (94) | 38.3 (83) |
| | | | | | Total | 5,538 | 61.7 | 52.8 |
| MSA Counties | Black Hawk | 938 | 67.2 (37) | 64.2 (05) | Polk | 2,249 | 58.0 (59) | 64.6 (04) |
| | Dallas | 208 | 54.4 (70) | 54.4 (26) | Pottawattamie | 630 | 67.6 (36) | 64.0 (06) |
| | Dubuque | 620 | 63.8 (42) | 58.3 (15) | Scott | 937 | 54.6 (69) | 59.1 (13) |
| | Johnson | 306 | 26.8 (99) | 43.9 (63) | Warren | 193 | 45.5 (90) | 49.8 (45) |
| | Linn | 1017 | 51.1 (81) | 53.3 (28) | Woodbury | 701 | 62.3 (46) | 59.1 (13) |
| | | | | | Total | 7,799 | 55.9 | 59.4 |
| State Totals | 18,727 | 59.5 | 52.7 | | | | | |

¹Rates per 100,000 population

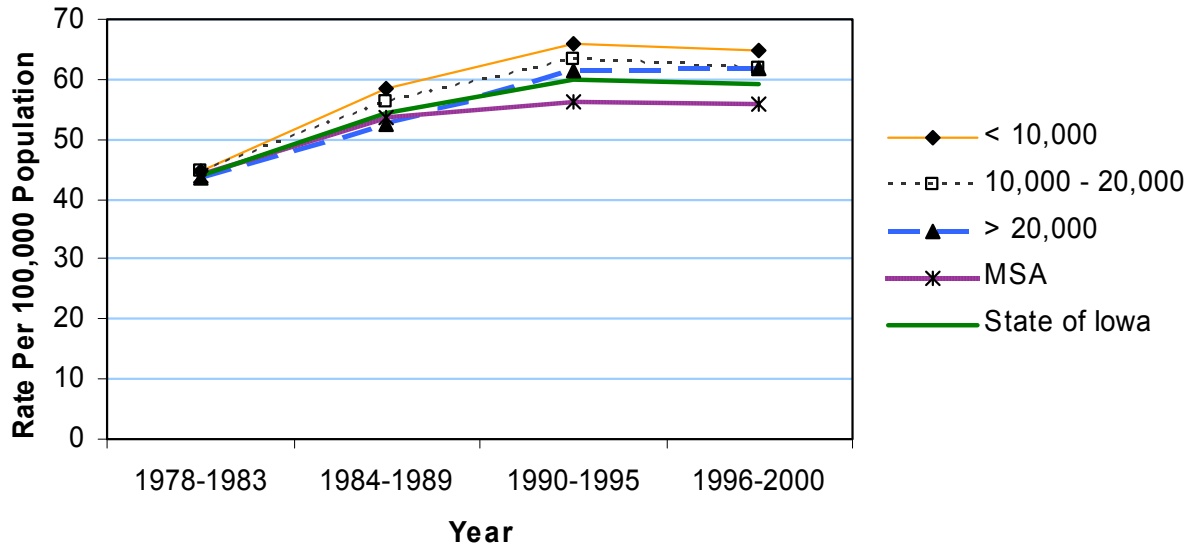
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

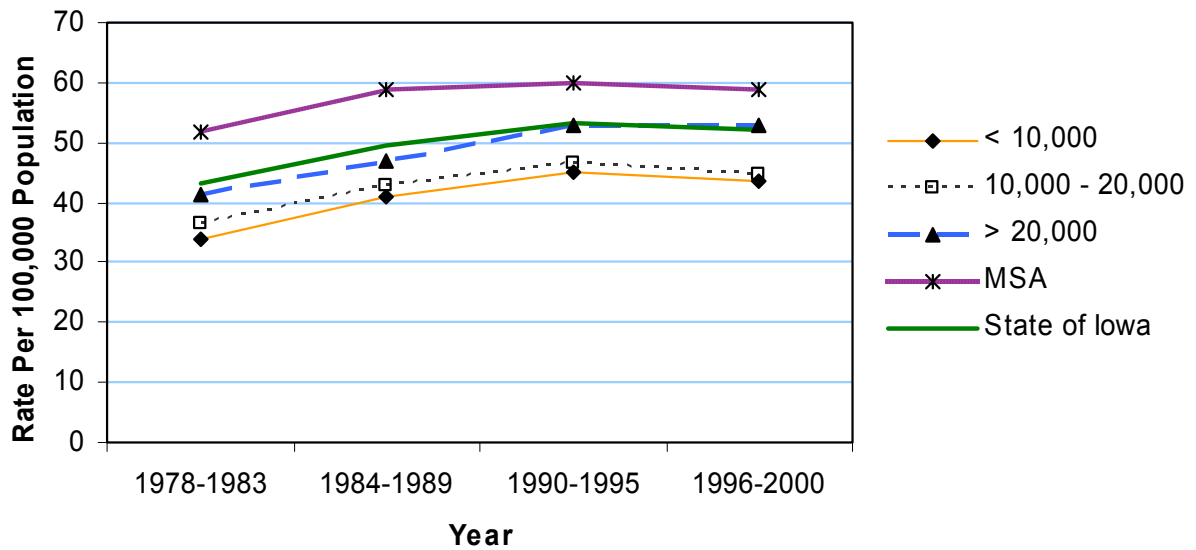
Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

Lung & Bronchus Cancer Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Female Breast Cancer Incidence 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|--|---|------------|--|---|---------------|------------|--|---|
| | Counties with Average Population < 10,000 | Adair | 61 | 128.9 (88) | 88.6 (99) | Lucas | 73 | 138.1 (77) |
| Adams | | 45 | 174.6 (28) | 110.1 (83) | Monroe | 62 | 134.4 (81) | 100.0 (95) |
| Audubon | | 85 | 211.8 (04) | 146.1 (06) | Osceola | 76 | 187.6 (15) | 131.3 (36) |
| Clarke | | 65 | 132.3 (83) | 107.6 (87) | Pocahontas | 86 | 167.9 (33) | 117.1 (69) |
| Davis | | 75 | 159.0 (47) | 117.8 (65) | Ringgold | 57 | 183.8 (17) | 115.8 (77) |
| Decatur | | 73 | 153.5 (54) | 116.8 (72) | Taylor | 92 | 228.4 (01) | 167.8 (01) |
| Fremont | | 99 | 213.2 (03) | 158.6 (02) | Van Buren | 78 | 182.0 (20) | 136.3 (25) |
| Howard | | 83 | 148.6 (62) | 109.7 (86) | Wayne | 72 | 180.4 (23) | 113.6 (78) |
| Ida | | 91 | 196.9 (10) | 136.5 (22) | Worth | 72 | 161.4 (44) | 116.4 (76) |
| | | | | | Total | 1,345 | 169.2 | 121.0 |
| Counties with Average Population 10,000 to 20,000 | Allamakee | 105 | 131.6 (86) | 99.0 (96) | Humboldt | 107 | 180.2 (24) | 128.0 (43) |
| | Appanoose | 110 | 138.9 (76) | 105.9 (90) | Iowa | 109 | 127.4 (90) | 104.1 (94) |
| | Butler | 160 | 183.5 (18) | 126.8 (47) | Jefferson | 122 | 131.8 (85) | 113.1 (80) |
| | Calhoun | 132 | 205.7 (06) | 141.8 (10) | Keokuk | 96 | 147.5 (66) | 111.6 (82) |
| | Cass | 184 | 215.3 (02) | 140.5 (12) | Kossuth | 159 | 158.5 (48) | 116.9 (71) |
| | Cedar | 125 | 125.3 (93) | 96.4 (98) | Louisa | 89 | 135.5 (79) | 121.9 (56) |
| | Cherokee | 155 | 202.0 (07) | 142.2 (09) | Lyon | 107 | 162.0 (42) | 123.3 (54) |
| | Chickasaw | 93 | 127.4 (90) | 105.3 (91) | Madison | 113 | 152.4 (57) | 124.9 (49) |
| | Clay | 174 | 172.8 (32) | 139.4 (14) | Mills | 124 | 163.3 (38) | 149.6 (03) |
| | Clayton | 187 | 177.5 (27) | 138.9 (15) | Mitchell | 100 | 162.5 (41) | 117.7 (67) |
| | Crawford | 147 | 156.6 (51) | 130.1 (40) | Monona | 95 | 165.2 (35) | 117.0 (70) |
| | Delaware | 131 | 128.5 (89) | 116.6 (73) | Montgomery | 124 | 179.2 (26) | 124.8 (51) |
| | Dickinson | 148 | 166.0 (34) | 117.9 (64) | O'Brien | 177 | 201.8 (08) | 147.0 (04) |
| | Emmet | 107 | 165.1 (36) | 118.9 (61) | Page | 183 | 194.1 (12) | 138.4 (16) |
| | Floyd | 191 | 195.9 (11) | 144.0 (07) | Palo Alto | 107 | 182.1 (19) | 131.2 (38) |
| | Franklin | 125 | 200.1 (09) | 137.6 (20) | Poweshiek | 143 | 132.3 (83) | 104.5 (93) |
| | Greene | 108 | 184.6 (16) | 134.0 (31) | Sac | 122 | 181.0 (21) | 124.9 (49) |
| | Grundy | 120 | 173.6 (30) | 127.2 (45) | Shelby | 108 | 144.7 (72) | 109.8 (85) |
| | Guthrie | 98 | 154.8 (53) | 105.2 (92) | Tama | 159 | 158.2 (49) | 117.7 (67) |
| | Hamilton | 149 | 163.0 (40) | 120.6 (57) | Union | 129 | 179.5 (25) | 135.1 (28) |
| Hancock | 130 | 189.6 (13) | 139.7 (13) | Winnebago | 99 | 148.1 (64) | 107.5 (88) | |
| Hardin | 203 | 189.4 (14) | 133.1 (32) | Wright | 171 | 207.9 (05) | 147.0 (04) | |
| Harrison | 126 | 147.1 (68) | 117.8 (65) | Total | 5,951 | 165.8 | 124.3 | |
| Counties with Average Population > 20,000 | Benton | 161 | 121.6 (96) | 106.5 (89) | Jones | 158 | 149.7 (61) | 122.0 (55) |
| | Boone | 252 | 173.3 (31) | 138.1 (17) | Lee | 315 | 145.7 (70) | 116.5 (74) |
| | Bremer | 210 | 159.8 (45) | 133.1 (32) | Mahaska | 195 | 159.1 (46) | 129.7 (41) |
| | Buchanan | 146 | 124.4 (95) | 110.0 (84) | Marion | 262 | 152.8 (56) | 130.6 (39) |
| | Buena Vista | 184 | 161.6 (43) | 127.2 (45) | Marshall | 327 | 150.9 (60) | 123.5 (53) |
| | Carroll | 193 | 158.0 (50) | 126.0 (48) | Muscatine | 319 | 139.0 (75) | 131.3 (36) |
| | Cerro Gordo | 488 | 180.7 (22) | 143.7 (08) | Plymouth | 211 | 156.2 (52) | 138.1 (17) |
| | Clinton | 473 | 163.2 (39) | 137.7 (19) | Sioux | 219 | 125.1 (94) | 118.6 (62) |
| | Des Moines | 358 | 146.4 (69) | 116.5 (74) | Story | 455 | 111.0 (98) | 131.6 (35) |
| | Fayette | 190 | 153.2 (55) | 113.4 (79) | Wapello | 358 | 174.5 (29) | 135.3 (27) |
| | Henry | 164 | 151.3 (58) | 127.7 (44) | Washington | 171 | 148.3 (63) | 119.5 (58) |
| | Jackson | 161 | 143.0 (74) | 119.1 (59) | Webster | 372 | 164.6 (37) | 132.6 (34) |
| | Jasper | 294 | 147.7 (65) | 118.4 (63) | Winneshiek | 150 | 126.7 (92) | 119.1 (59) |
| | | | | | Total | 6,786 | 148.9 | 126.8 |
| MSA Counties | Black Hawk | 1,046 | 143.7 (73) | 135.0 (29) | Polk | 2,691 | 133.7 (82) | 136.4 (23) |
| | Dallas | 287 | 147.5 (66) | 141.5 (11) | Pottawattamie | 653 | 135.9 (78) | 124.1 (52) |
| | Dubuque | 757 | 151.2 (59) | 137.6 (20) | Scott | 1,191 | 135.3 (80) | 135.6 (26) |
| | Johnson | 568 | 99.0 (99) | 136.4 (23) | Warren | 242 | 111.2 (97) | 112.2 (81) |
| | Linn | 1,339 | 131.5 (87) | 128.3 (42) | Woodbury | 837 | 144.8 (71) | 134.3 (30) |
| | State Totals | 23,693 | 146.9 | 128.8 | Total | 9,611 | 133.8 | 133.3 |

¹Rates per 100,000 population

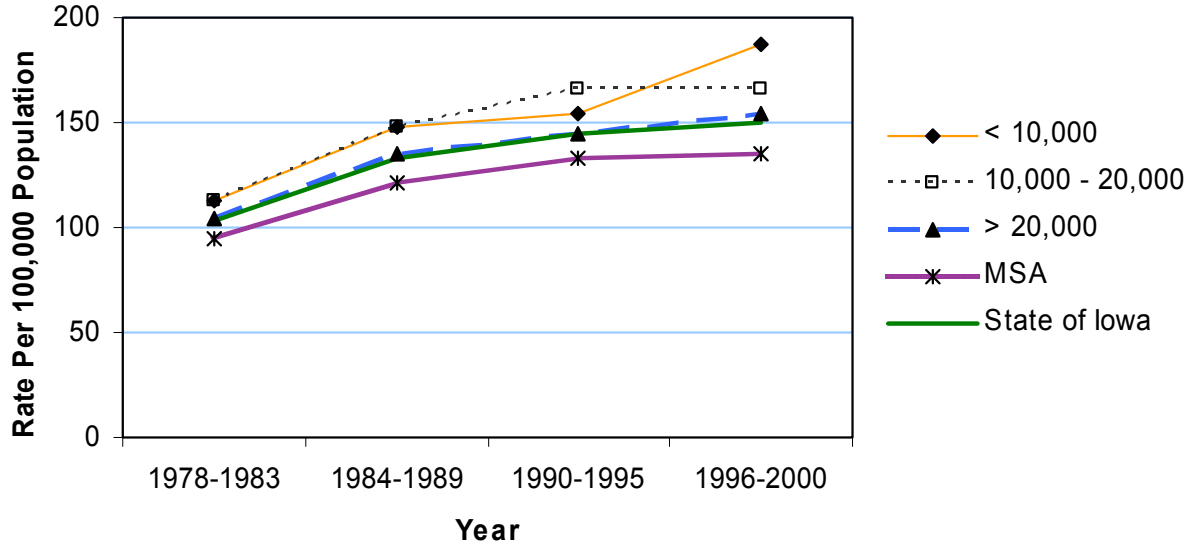
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

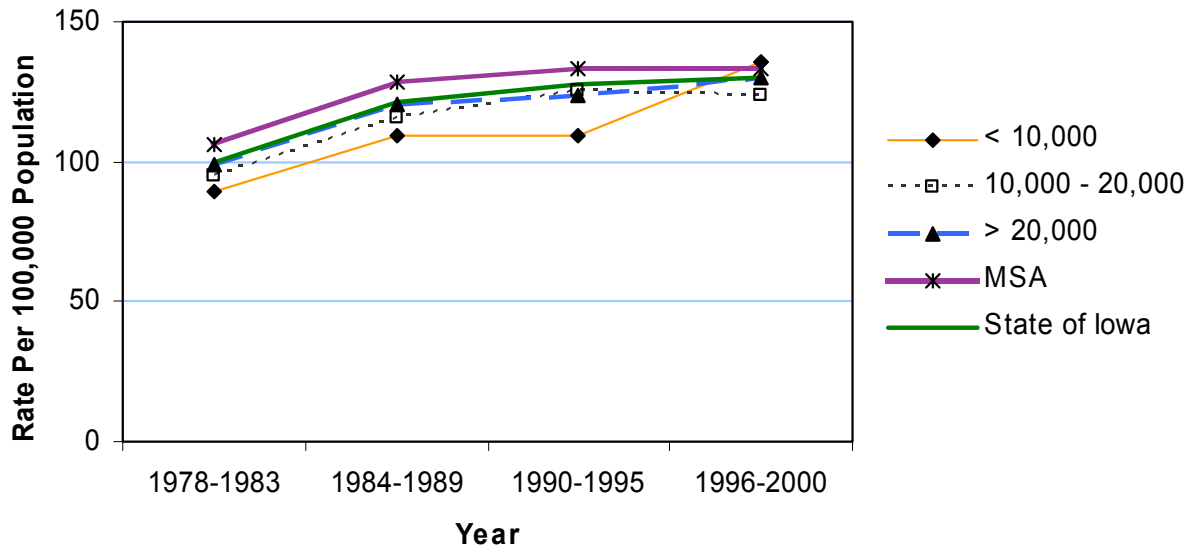
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

Female Breast Cancer Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Female Breast Cancer Mortality 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|--|---|-----------|--|---|---------------|-----------|--|---|
| | Counties with Average Population < 10,000 | Adair | 16 | 33.8 (69) | 22.0 (88) | Lucas | 11 | 20.8 (99) |
| Adams | | 9 | 34.9 (68) | 20.0 (91) | Monroe | 17 | 36.9 (61) | 26.4 (68) |
| Audubon | | 12 | 29.9 (85) | 17.6 (96) | Osceola | 17 | 42.0 (41) | 25.2 (73) |
| Clarke | | 24 | 48.8 (18) | 36.8 (13) | Pocahontas | 27 | 52.7 (06) | 29.2 (42) |
| Davis | | 11 | 23.3 (97) | 17.9 (95) | Ringgold | 11 | 35.5 (65) | 13.6 (99) |
| Decatur | | 23 | 48.4 (19) | 34.9 (18) | Taylor | 28 | 69.5 (01) | 43.0 (01) |
| Fremont | | 23 | 49.5 (13) | 39.7 (04) | Van Buren | 20 | 46.7 (25) | 32.3 (25) |
| Howard | | 32 | 57.3 (03) | 39.6 (05) | Wayne | 18 | 45.1 (33) | 27.0 (60) |
| Ida | | 21 | 45.4 (31) | 30.5 (31) | Worth | 18 | 40.3 (49) | 24.8 (75) |
| | | | | | Total | 338 | 42.5 | 27.8 |
| Counties with Average Population 10,000 to 20,000 | Allamakee | 37 | 46.4 (26) | 29.2 (42) | Humboldt | 24 | 40.4 (47) | 23.3 (84) |
| | Appanoose | 33 | 41.7 (42) | 27.6 (56) | Iowa | 27 | 31.6 (82) | 26.6 (63) |
| | Butler | 43 | 49.3 (16) | 29.6 (37) | Jefferson | 41 | 44.3 (37) | 37.6 (09) |
| | Calhoun | 32 | 49.9 (12) | 26.5 (67) | Keokuk | 22 | 33.8 (69) | 22.7 (86) |
| | Cass | 32 | 37.4 (60) | 23.2 (85) | Kossuth | 46 | 45.9 (29) | 32.5 (24) |
| | Cedar | 38 | 38.1 (56) | 24.8 (75) | Louisa | 25 | 38.1 (56) | 29.4 (38) |
| | Cherokee | 40 | 52.1 (07) | 33.9 (20) | Lyon | 33 | 50.0 (11) | 35.3 (17) |
| | Chickasaw | 33 | 45.2 (32) | 31.2 (28) | Madison | 32 | 43.1 (40) | 30.9 (30) |
| | Clay | 39 | 38.7 (54) | 29.2 (42) | Mills | 31 | 40.8 (46) | 37.4 (10) |
| | Clayton | 50 | 47.5 (22) | 37.2 (12) | Mitchell | 27 | 43.9 (39) | 27.6 (56) |
| | Crawford | 25 | 26.6 (92) | 21.2 (90) | Monona | 29 | 50.4 (10) | 26.4 (68) |
| | Delaware | 33 | 32.4 (78) | 27.6 (56) | Montgomery | 22 | 31.8 (81) | 21.4 (89) |
| | Dickinson | 45 | 50.5 (09) | 31.6 (27) | O'Brien | 42 | 47.9 (21) | 32.8 (23) |
| | Emmet | 32 | 49.4 (14) | 30.0 (35) | Page | 42 | 44.5 (35) | 26.2 (70) |
| | Floyd | 45 | 46.1 (27) | 33.0 (22) | Palo Alto | 29 | 49.4 (14) | 31.8 (26) |
| | Franklin | 25 | 40.0 (50) | 24.6 (77) | Poweshiek | 29 | 26.8 (91) | 19.8 (93) |
| | Greene | 24 | 41.0 (45) | 25.0 (74) | Sac | 32 | 47.5 (22) | 28.6 (51) |
| | Grundy | 38 | 55.0 (04) | 35.7 (15) | Shelby | 18 | 24.1 (96) | 17.4 (97) |
| | Guthrie | 24 | 37.9 (58) | 23.7 (79) | Tama | 52 | 51.7 (08) | 38.3 (06) |
| | Hamilton | 32 | 35.0 (67) | 23.4 (81) | Union | 28 | 39.0 (52) | 26.9 (61) |
| Hancock | 19 | 27.7 (89) | 23.5 (80) | Winnebago | 27 | 40.4 (47) | 26.6 (63) | |
| Hardin | 66 | 61.6 (02) | 40.1 (03) | Wright | 37 | 45.0 (34) | 28.3 (52) | |
| Harrison | 34 | 39.7 (51) | 27.8 (53) | Total | 1,514 | 42.2 | 28.9 | |
| Counties with Average Population > 20,000 | Benton | 43 | 32.5 (77) | 26.1 (71) | Jones | 34 | 32.2 (79) | 22.1 (87) |
| | Boone | 48 | 33.0 (73) | 23.4 (81) | Lee | 96 | 44.4 (36) | 34.4 (19) |
| | Bremer | 51 | 38.8 (53) | 29.2 (42) | Mahaska | 59 | 48.1 (20) | 37.9 (07) |
| | Buchanan | 54 | 46.0 (28) | 37.8 (08) | Marion | 56 | 32.7 (75) | 25.7 (72) |
| | Buena Vista | 41 | 36.0 (64) | 26.6 (63) | Marshall | 96 | 44.3 (37) | 33.5 (21) |
| | Carroll | 66 | 54.0 (05) | 40.6 (02) | Muscatine | 75 | 32.7 (75) | 29.9 (36) |
| | Cerro Gordo | 124 | 45.9 (29) | 35.5 (16) | Plymouth | 64 | 47.4 (24) | 37.4 (10) |
| | Clinton | 111 | 38.3 (55) | 29.3 (41) | Sioux | 54 | 30.8 (83) | 27.3 (59) |
| | Des Moines | 66 | 27.0 (90) | 19.9 (92) | Story | 109 | 26.6 (92) | 29.4 (38) |
| | Fayette | 51 | 41.1 (44) | 30.3 (33) | Wapello | 101 | 49.2 (17) | 36.1 (14) |
| | Henry | 33 | 30.4 (84) | 24.3 (78) | Washington | 42 | 36.4 (62) | 26.9 (61) |
| | Jackson | 29 | 25.8 (94) | 18.7 (94) | Webster | 93 | 41.2 (43) | 31.1 (29) |
| | Jasper | 75 | 37.7 (59) | 28.8 (47) | Winneshiek | 42 | 35.5 (65) | 26.6 (63) |
| | | | | | Total | 1,713 | 37.6 | 29.8 |
| MSA Counties | Black Hawk | 233 | 32.0 (80) | 28.7 (49) | Polk | 601 | 29.9 (85) | 29.4 (38) |
| | Dallas | 64 | 32.9 (74) | 30.4 (32) | Pottawattamie | 159 | 33.1 (72) | 28.9 (46) |
| | Dubuque | 182 | 36.4 (62) | 30.1 (34) | Scott | 259 | 29.4 (87) | 28.7 (49) |
| | Johnson | 122 | 21.3 (98) | 28.8 (47) | Warren | 62 | 28.5 (88) | 27.8 (53) |
| | Linn | 255 | 25.0 (95) | 23.4 (81) | Woodbury | 195 | 33.7 (71) | 27.7 (55) |
| | State Totals | 5,697 | 35.3 | 28.8 | Total | 2,132 | 29.7 | 28.3 |

¹Rates per 100,000 population

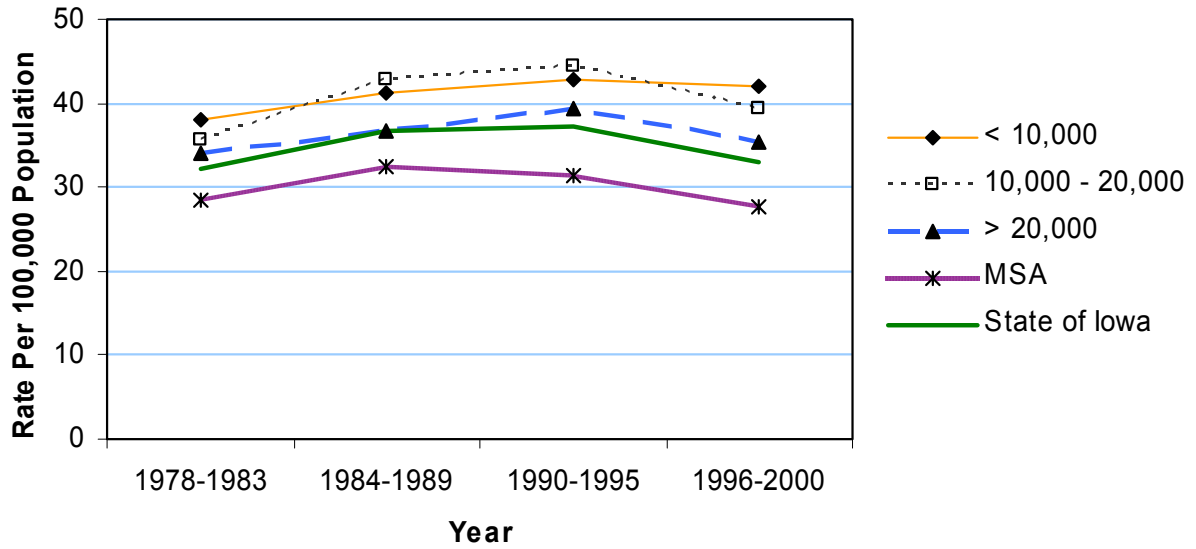
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

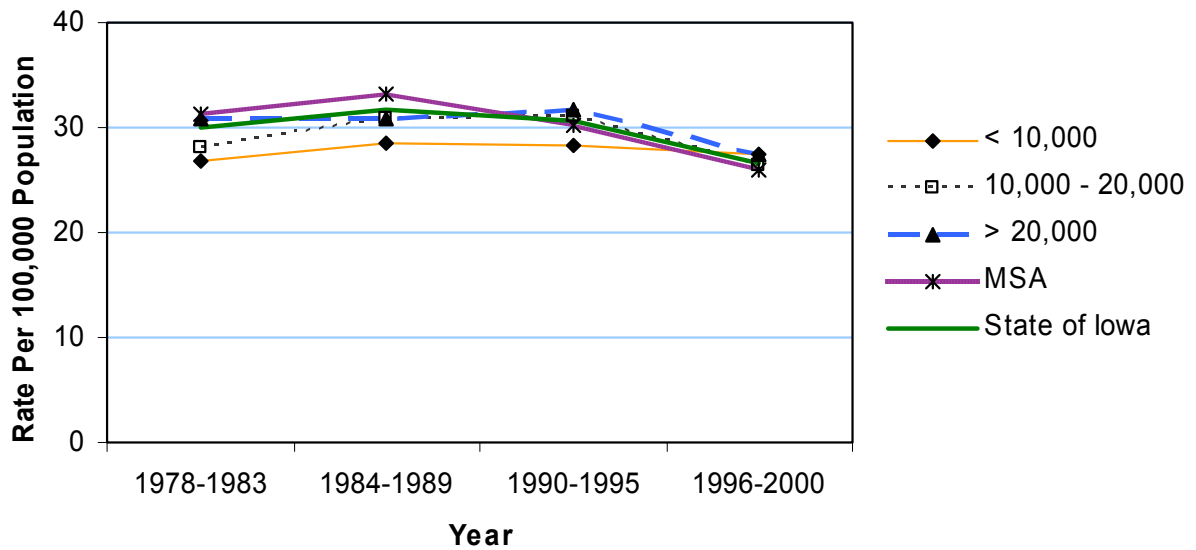
Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

Female Breast Cancer Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Colorectal Cancer Incidence 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|---|--|------------|--|---|---------------|------------|--|---|
| | | | | | | | | |
| Counties with Average Population < 10,000 | Adair | 78 | 84.8 (53) | 48.8 (99) | Lucas | 93 | 91.2 (35) | 60.8 (66) |
| | Adams | 42 | 83.0 (57) | 49.9 (98) | Monroe | 71 | 79.3 (63) | 52.7 (91) |
| | Audubon | 66 | 85.5 (52) | 52.5 (93) | Osceola | 74 | 93.8 (32) | 62.2 (59) |
| | Clarke | 64 | 67.5 (87) | 50.0 (97) | Pocahontas | 111 | 111.2 (11) | 70.6 (23) |
| | Davis | 78 | 84.1 (54) | 58.3 (79) | Ringgold | 59 | 99.0 (23) | 58.8 (76) |
| | Decatur | 90 | 97.4 (27) | 72.0 (18) | Taylor | 101 | 130.7 (02) | 76.2 (05) |
| | Fremont | 105 | 117.5 (03) | 80.5 (02) | Van Buren | 90 | 105.9 (14) | 73.4 (16) |
| | Howard | 122 | 111.5 (09) | 75.6 (06) | Wayne | 80 | 104.9 (15) | 58.0 (81) |
| | Ida | 85 | 94.9 (29) | 65.2 (39) | Worth | 71 | 81.3 (58) | 56.5 (87) |
| | | | | | Total | 1,480 | 95.9 | 62.9 |
| | Counties with Average Population 10,000 to 20,000 | Allamakee | 163 | 103.3 (19) | 73.6 (13) | Humboldt | 129 | 111.5 (09) |
| Appanoose | | 170 | 112.3 (08) | 74.8 (10) | Iowa | 128 | 76.9 (71) | 58.0 (81) |
| Butler | | 149 | 87.2 (47) | 58.5 (78) | Jefferson | 126 | 69.7 (82) | 62.7 (54) |
| Calhoun | | 131 | 104.4 (16) | 65.5 (37) | Keokuk | 135 | 106.7 (13) | 70.8 (22) |
| Cass | | 152 | 92.4 (33) | 57.0 (86) | Kossuth | 172 | 87.9 (44) | 62.4 (58) |
| Cedar | | 129 | 65.9 (91) | 50.6 (96) | Louisa | 94 | 71.8 (78) | 63.9 (48) |
| Cherokee | | 129 | 86.1 (50) | 58.9 (75) | Lyon | 117 | 89.8 (37) | 66.2 (33) |
| Chickasaw | | 109 | 74.8 (74) | 57.6 (84) | Madison | 97 | 66.6 (90) | 52.6 (92) |
| Clay | | 162 | 83.7 (55) | 64.3 (45) | Mills | 113 | 74.7 (75) | 71.0 (21) |
| Clayton | | 184 | 88.6 (41) | 65.5 (37) | Mitchell | 107 | 89.1 (39) | 59.8 (71) |
| Crawford | | 160 | 86.6 (49) | 66.2 (33) | Monona | 149 | 134.8 (01) | 74.2 (11) |
| Delaware | | 141 | 70.0 (80) | 62.6 (56) | Montgomery | 137 | 104.4 (16) | 64.5 (43) |
| Dickinson | | 152 | 88.0 (43) | 58.0 (81) | O'Brien | 197 | 115.7 (05) | 77.0 (04) |
| Emmet | | 110 | 87.7 (45) | 61.1 (65) | Page | 166 | 88.9 (40) | 60.1 (69) |
| Floyd | | 161 | 86.0 (51) | 61.4 (62) | Palo Alto | 132 | 115.7 (05) | 75.0 (08) |
| Franklin | | 110 | 90.6 (36) | 63.1 (50) | Poweshiek | 182 | 87.4 (46) | 68.1 (28) |
| Greene | | 124 | 109.7 (12) | 65.0 (40) | Sac | 136 | 103.3 (19) | 63.1 (50) |
| Grundy | | 103 | 76.8 (72) | 53.6 (90) | Shelby | 143 | 98.0 (25) | 67.7 (29) |
| Guthrie | | 122 | 98.9 (24) | 64.3 (45) | Tama | 179 | 91.3 (34) | 62.7 (54) |
| Hamilton | | 145 | 80.9 (62) | 59.7 (72) | Union | 121 | 88.4 (42) | 62.1 (61) |
| Hancock | 106 | 78.9 (65) | 58.2 (80) | Winnebago | 88 | 67.6 (86) | 51.3 (94) | |
| Hardin | 235 | 112.7 (07) | 71.3 (20) | Wright | 184 | 115.9 (04) | 73.6 (13) | |
| Harrison | 169 | 101.2 (21) | 73.5 (15) | Total | 6,348 | 90.7 | 64.1 | |
| Counties with Average Population > 20,000 | Benton | 218 | 83.1 (56) | 68.9 (25) | Jones | 175 | 79.0 (64) | 66.8 (31) |
| | Boone | 229 | 81.3 (58) | 63.0 (52) | Lee | 346 | 81.2 (60) | 65.8 (35) |
| | Bremer | 198 | 77.7 (69) | 64.0 (47) | Mahaska | 190 | 78.6 (66) | 62.6 (56) |
| | Buchanan | 160 | 69.1 (83) | 61.2 (64) | Marion | 232 | 68.0 (85) | 56.5 (87) |
| | Buena Vista | 233 | 104.0 (18) | 78.2 (03) | Marshall | 318 | 74.6 (76) | 57.6 (84) |
| | Carrroll | 239 | 100.7 (22) | 74.9 (09) | Muscatine | 316 | 69.8 (81) | 68.3 (27) |
| | Cerro Gordo | 402 | 77.9 (68) | 60.3 (67) | Plymouth | 261 | 97.8 (26) | 81.8 (01) |
| | Clinton | 437 | 78.0 (67) | 64.8 (42) | Sioux | 249 | 72.9 (77) | 66.9 (30) |
| | Des Moines | 420 | 89.2 (38) | 72.8 (17) | Story | 356 | 42.2 (98) | 54.1 (89) |
| | Fayette | 197 | 81.0 (61) | 59.5 (73) | Wapello | 344 | 86.8 (48) | 66.6 (32) |
| | Henry | 164 | 74.9 (73) | 62.2 (59) | Washington | 209 | 93.9 (31) | 70.5 (24) |
| | Jackson | 209 | 94.3 (30) | 75.3 (07) | Webster | 421 | 95.8 (28) | 73.7 (12) |
| | Jasper | 305 | 77.5 (70) | 64.5 (43) | Winneshiek | 156 | 67.1 (88) | 59.0 (74) |
| | | | | | Total | 6,984 | 77.9 | 65.6 |
| MSA Counties | Black Hawk | 907 | 65.0 (92) | 61.4 (62) | Polk | 2,039 | 52.6 (97) | 58.6 (77) |
| | Dallas | 232 | 60.7 (95) | 60.2 (68) | Pottawattamie | 641 | 68.8 (84) | 65.8 (35) |
| | Dubuque | 689 | 70.9 (79) | 65.0 (40) | Scott | 1,084 | 63.2 (93) | 68.9 (25) |
| | Johnson | 362 | 31.7 (99) | 51.0 (95) | Warren | 230 | 54.2 (96) | 59.9 (70) |
| | Linn | 1,222 | 61.4 (94) | 63.9 (48) | Woodbury | 754 | 67.0 (89) | 63.0 (52) |
| | State Totals | 22,972 | 73.0 | 63.6 | Total | 8,160 | 58.5 | 62.0 |

¹Rates per 100,000 population

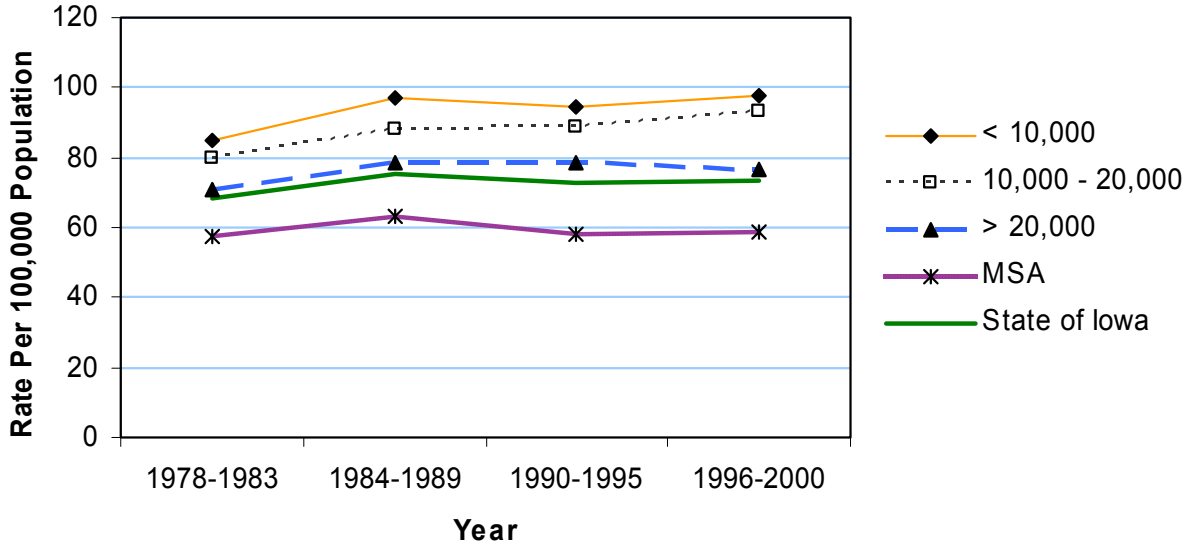
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

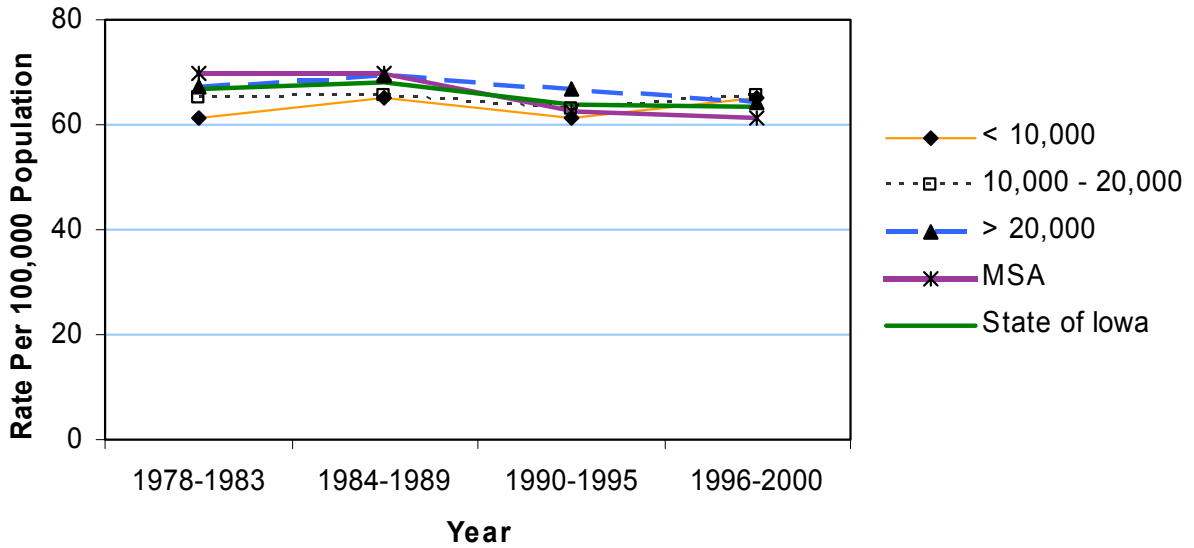
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

Colorectal Cancer Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Colorectal Cancer Mortality 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|---|--|-----------|--|---|---------------|-----------|--|---|
| | | | | | | | | |
| Counties with Average Population < 10,000 | Adair | 42 | 45.6 (10) | 26.4 (22) | Lucas | 38 | 37.3 (33) | 23.6 (56) |
| | Adams | 19 | 37.5 (31) | 21.9 (72) | Monroe | 33 | 36.9 (35) | 23.5 (57) |
| | Audubon | 24 | 31.1 (56) | 19.7 (88) | Osceola | 20 | 25.4 (86) | 15.3 (99) |
| | Clarke | 24 | 25.3 (88) | 17.0 (98) | Pocahontas | 49 | 49.1 (04) | 29.8 (06) |
| | Davis | 30 | 32.3 (51) | 22.3 (70) | Ringgold | 24 | 40.3 (17) | 19.7 (88) |
| | Decatur | 46 | 49.8 (03) | 36.3 (01) | Taylor | 39 | 50.5 (02) | 27.5 (16) |
| | Fremont | 40 | 44.7 (11) | 29.4 (07) | Van Buren | 39 | 45.9 (09) | 31.5 (03) |
| | Howard | 43 | 39.3 (23) | 24.9 (37) | Wayne | 36 | 47.2 (06) | 24.0 (51) |
| | Ida | 34 | 38.0 (27) | 24.0 (51) | Worth | 30 | 34.3 (42) | 21.0 (83) |
| | | | | | Total | 610 | 39.5 | 24.5 |
| | Counties with Average Population 10,000 to 20,000 | Allamakee | 63 | 39.9 (19) | 27.8 (14) | Humboldt | 36 | 31.1 (56) |
| Appanoose | | 61 | 40.3 (17) | 25.8 (25) | Iowa | 57 | 34.2 (44) | 24.0 (51) |
| Butler | | 63 | 36.8 (36) | 24.3 (45) | Jefferson | 44 | 24.3 (90) | 21.4 (77) |
| Calhoun | | 53 | 42.2 (14) | 25.1 (36) | Keokuk | 48 | 37.9 (28) | 25.7 (29) |
| Cass | | 62 | 37.7 (30) | 22.8 (64) | Kossuth | 60 | 30.7 (59) | 21.8 (73) |
| Cedar | | 50 | 25.5 (85) | 19.0 (93) | Louisa | 38 | 29.0 (70) | 26.0 (23) |
| Cherokee | | 42 | 28.0 (73) | 18.6 (95) | Lyon | 44 | 33.8 (45) | 23.8 (54) |
| Chickasaw | | 44 | 30.2 (61) | 22.4 (69) | Madison | 43 | 29.5 (67) | 23.2 (60) |
| Clay | | 65 | 33.6 (47) | 24.8 (39) | Mills | 41 | 27.1 (79) | 25.8 (25) |
| Clayton | | 76 | 36.6 (37) | 25.8 (25) | Mitchell | 36 | 30.0 (62) | 21.2 (81) |
| Crawford | | 73 | 39.5 (22) | 28.7 (11) | Monona | 65 | 58.8 (01) | 29.9 (05) |
| Delaware | | 77 | 38.2 (25) | 34.3 (02) | Montgomery | 45 | 34.3 (42) | 20.8 (85) |
| Dickinson | | 51 | 29.5 (67) | 19.4 (90) | O'Brien | 71 | 41.7 (16) | 26.6 (21) |
| Emmet | | 35 | 27.9 (76) | 19.3 (91) | Page | 56 | 30.0 (62) | 20.1 (87) |
| Floyd | | 61 | 32.6 (50) | 22.7 (65) | Palo Alto | 53 | 46.4 (08) | 29.1 (10) |
| Franklin | | 44 | 36.2 (38) | 24.2 (47) | Poweshiek | 81 | 38.9 (24) | 28.3 (13) |
| Greene | | 55 | 48.7 (05) | 27.1 (18) | Sac | 62 | 47.1 (07) | 28.6 (12) |
| Grundy | | 35 | 26.1 (82) | 17.8 (97) | Shelby | 58 | 39.7 (20) | 25.4 (34) |
| Guthrie | | 49 | 39.7 (20) | 25.5 (31) | Tama | 75 | 38.2 (25) | 24.4 (43) |
| Hamilton | | 55 | 30.7 (59) | 23.0 (62) | Union | 49 | 35.8 (39) | 24.3 (45) |
| Hancock | 40 | 29.8 (64) | 22.3 (70) | Winnebago | 34 | 26.1 (82) | 17.9 (96) | |
| Hardin | 89 | 42.7 (12) | 24.5 (41) | Wright | 60 | 37.8 (29) | 24.1 (49) | |
| Harrison | 70 | 41.9 (15) | 29.4 (07) | Total | 2,469 | 35.3 | 24.1 | |
| Counties with Average Population > 20,000 | Benton | 88 | 33.5 (48) | 27.6 (15) | Jones | 62 | 28.0 (73) | 23.3 (59) |
| | Boone | 91 | 32.3 (51) | 24.5 (41) | Lee | 159 | 37.3 (33) | 29.4 (07) |
| | Bremer | 75 | 29.4 (69) | 23.7 (55) | Mahaska | 67 | 27.7 (77) | 22.5 (68) |
| | Buchanan | 69 | 29.8 (64) | 25.8 (25) | Marion | 93 | 27.3 (78) | 21.8 (73) |
| | Buena Vista | 95 | 42.4 (13) | 31.2 (04) | Marshall | 135 | 31.7 (55) | 24.2 (47) |
| | Carroll | 89 | 37.5 (31) | 26.9 (19) | Muscatine | 101 | 22.3 (94) | 21.4 (77) |
| | Cerro Gordo | 146 | 28.3 (71) | 21.2 (81) | Plymouth | 86 | 32.2 (53) | 27.2 (17) |
| | Clinton | 173 | 30.9 (58) | 25.5 (31) | Sioux | 96 | 28.1 (72) | 24.4 (43) |
| | Des Moines | 154 | 32.7 (49) | 26.7 (20) | Story | 143 | 16.9 (98) | 21.3 (79) |
| | Fayette | 82 | 33.7 (46) | 25.7 (29) | Wapello | 140 | 35.3 (41) | 26.0 (23) |
| | Henry | 65 | 29.7 (66) | 23.1 (61) | Washington | 79 | 35.5 (40) | 24.7 (40) |
| | Jackson | 71 | 32.0 (54) | 24.9 (37) | Webster | 113 | 25.7 (84) | 18.9 (94) |
| | Jasper | 104 | 26.4 (80) | 21.7 (76) | Winneshiek | 65 | 28.0 (73) | 23.4 (58) |
| | | | | | Total | 2,641 | 29.4 | 24.2 |
| MSA Counties | Black Hawk | 323 | 23.2 (92) | 21.8 (73) | Polk | 740 | 19.1 (97) | 21.3 (79) |
| | Dallas | 100 | 26.2 (81) | 25.5 (31) | Pottawattamie | 218 | 23.4 (91) | 22.6 (67) |
| | Dubuque | 247 | 25.4 (86) | 22.9 (63) | Scott | 377 | 22.0 (95) | 24.1 (49) |
| | Johnson | 142 | 12.4 (99) | 20.2 (86) | Warren | 88 | 20.7 (96) | 22.7 (65) |
| | Linn | 485 | 24.4 (89) | 25.3 (35) | Woodbury | 255 | 22.7 (93) | 20.9 (84) |
| | | | | | Total | 2,975 | 21.3 | 22.5 |
| State Totals | | 8,695 | 27.6 | 23.6 | | | | |

¹Rates per 100,000 population

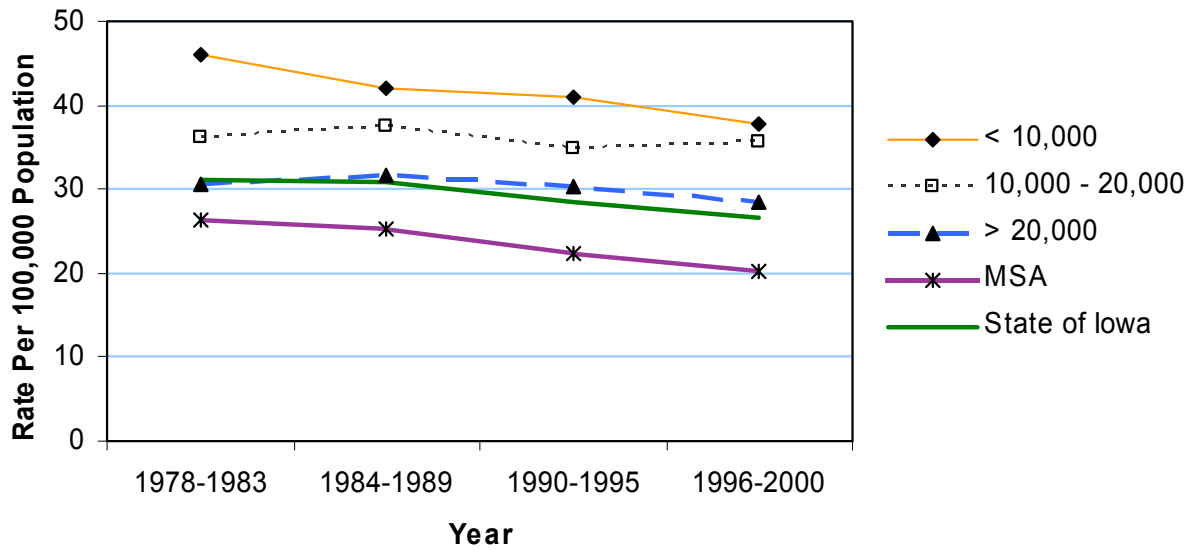
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

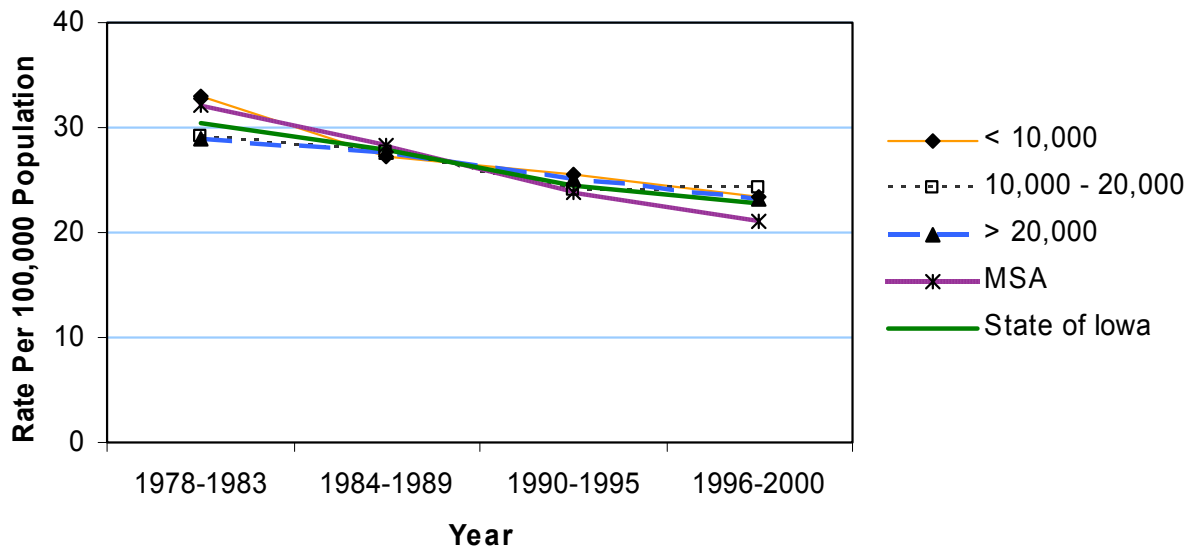
Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

Colorectal Cancer Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Non-Hodgkin's Lymphoma Incidence 1990-2000

| | Average Population < 10,000 | | | | Average Population 10,000 to 20,000 | | | | Average Population > 20,000 | | | | MSA Counties | | | | | | | |
|---|-----------------------------|----|--|---|-------------------------------------|------------|--|---|-----------------------------|-------------|--|---|--------------|-----------|--|---|--------------|-------------|-------------|-----------|
| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | | | | |
| Counties with Average Population < 10,000 | Adair | 27 | 29.3 (12) | 22.0 (14) | Lucas | 21 | 20.6 (70) | 16.3 (77) | Monroe | 22 | 24.6 (36) | 17.4 (70) | Osceola | 20 | 25.4 (31) | 19.2 (42) | | | | |
| | Adams | 10 | 19.8 (74) | 13.8 (91) | Pocahontas | 29 | 29.1 (14) | 22.7 (10) | Ringgold | 22 | 36.9 (01) | 22.2 (12) | Taylor | 17 | 22.0 (59) | 12.6 (96) | | | | |
| | Audubon | 15 | 19.4 (78) | 13.7 (92) | Van Buren | 20 | 23.5 (49) | 19.5 (37) | Wayne | 26 | 34.1 (03) | 24.9 (04) | Worth | 24 | 27.5 (17) | 20.9 (22) | | | | |
| | Clarke | 30 | 31.6 (06) | 25.6 (03) | Total | 400 | 25.9 | 19.1 | | | | | | | | | | | | |
| | Davis | 22 | 23.7 (48) | 18.8 (45) | Allamakee | 34 | 21.5 (63) | 16.2 (79) | Humboldt | 27 | 23.3 (51) | 16.4 (73) | Appanoose | 42 | 27.8 (16) | 18.4 (51) | Iowa | 44 | 26.4 (21) | 21.3 (19) |
| | Decatur | 32 | 34.6 (02) | 27.2 (02) | Butler | 46 | 26.9 (19) | 20.4 (26) | Jefferson | 38 | 21.0 (66) | 19.3 (39) | Calhoun | 30 | 23.9 (43) | 15.2 (86) | Keokuk | 27 | 21.3 (64) | 14.5 (88) |
| | Fremont | 20 | 22.4 (57) | 16.5 (72) | Cass | 43 | 26.1 (26) | 19.3 (39) | Kossuth | 49 | 25.1 (33) | 19.6 (35) | Cedar | 43 | 22.0 (59) | 17.7 (64) | Louisa | 25 | 19.1 (80) | 17.9 (62) |
| | Howard | 21 | 19.2 (79) | 15.6 (84) | Cherokee | 36 | 24.0 (41) | 18.3 (53) | Lyon | 35 | 26.9 (19) | 21.0 (21) | Chickasaw | 35 | 24.0 (41) | 18.7 (48) | Madison | 20 | 13.7 (98) | 11.2 (98) |
| | Ida | 22 | 24.6 (36) | 16.3 (77) | Clay | 40 | 20.7 (68) | 18.0 (60) | Mills | 20 | 13.2 (99) | 12.8 (95) | Clayton | 46 | 22.1 (58) | 17.7 (64) | Mitchell | 38 | 31.7 (05) | 22.2 (12) |
| | | | | | Crawford | 34 | 18.4 (83) | 14.4 (89) | Monona | 31 | 28.0 (15) | 17.6 (66) | Delaware | 30 | 14.9 (95) | 13.7 (92) | Montgomery | 36 | 27.4 (18) | 18.3 (53) |
| | | | | Hancock | 34 | 25.3 (32) | 19.5 (37) | O'Brien | 45 | 26.4 (21) | 18.8 (45) | Dickinson | 51 | 29.5 (11) | 21.6 (18) | Page | 33 | 17.7 (90) | 12.2 (97) | |
| | | | | Hardin | 55 | 26.4 (21) | 18.1 (58) | Winneshiek | 35 | 15.1 (94) | 13.6 (94) | Emmet | 30 | 23.9 (43) | 18.2 (55) | Palo Alto | 30 | 26.3 (25) | 18.7 (48) | |
| | | | | Harrison | 39 | 23.4 (50) | 17.5 (68) | Wright | 37 | 23.3 (51) | 16.1 (81) | Floyd | 56 | 29.9 (09) | 21.8 (16) | Poweshiek | 55 | 26.4 (21) | 21.9 (15) | |
| | | | | | | | | Total | 1,677 | 24.0 | 18.1 | Franklin | 29 | 23.9 (43) | 16.1 (81) | Sac | 22 | 16.7 (92) | 11.2 (98) | |
| | | | | | | | | | | | | Greene | 27 | 23.9 (43) | 15.5 (85) | Shelby | 36 | 24.7 (35) | 16.4 (73) | |
| | | | | | | | | | | | | Grundy | 33 | 24.6 (36) | 18.2 (55) | Tama | 58 | 29.6 (10) | 22.7 (10) | |
| | | | | | | | | | | | | Guthrie | 25 | 20.3 (71) | 14.1 (90) | Union | 40 | 29.2 (13) | 22.8 (09) | |
| | | | | | | | | | | | | Hamilton | 54 | 30.1 (07) | 24.9 (04) | Winnebago | 39 | 30.0 (08) | 23.9 (06) | |
| | | | | | | | | | | | | Hancock | 34 | 25.3 (32) | 19.5 (37) | Winneshiek | 35 | 15.1 (94) | 13.6 (94) | |
| | | | | | | | | | | | | Hardin | 55 | 26.4 (21) | 18.1 (58) | Total | 1,926 | 21.5 | 19.1 | |
| | | | | | | | | | | | | Harrison | 39 | 23.4 (50) | 17.5 (68) | | | | | |
| | | | | | | | | | | | | Benton | 64 | 24.4 (39) | 21.2 (20) | Jones | 57 | 25.7 (29) | 22.9 (08) | |
| | | | | | | | | | | | | Boone | 53 | 18.8 (81) | 16.2 (79) | Lee | 109 | 25.6 (30) | 21.7 (17) | |
| | | | | | | | | | | | | Bremer | 46 | 18.0 (85) | 15.1 (87) | Mahaska | 43 | 17.8 (88) | 15.7 (83) | |
| | | | | | | | | | | | | Buchanan | 47 | 20.3 (71) | 18.7 (48) | Marion | 75 | 22.0 (59) | 19.8 (31) | |
| | | | | | | | | | | | | Buena Vista | 54 | 24.1 (40) | 20.0 (28) | Marshall | 102 | 23.9 (43) | 20.1 (27) | |
| | | | | | | | | | | | | Carroll | 80 | 33.7 (04) | 28.0 (01) | Muscatine | 94 | 20.8 (67) | 20.8 (23) | |
| | | | | | | | | | | | | Cerro Gordo | 107 | 20.7 (68) | 17.5 (68) | Plymouth | 61 | 22.9 (53) | 19.9 (29) | |
| | | | | | | | | | | | | Clinton | 128 | 22.9 (53) | 19.8 (31) | Sioux | 62 | 18.1 (84) | 17.0 (71) | |
| | | | | | | | | | | | | Des Moines | 106 | 22.5 (56) | 19.3 (39) | Story | 121 | 14.3 (97) | 18.1 (58) | |
| | | | | | | | | | | | | Fayette | 63 | 25.9 (28) | 19.9 (29) | Wapello | 103 | 26.0 (27) | 20.5 (24) | |
| | | | | | | | | | | | | Henry | 39 | 17.8 (88) | 16.4 (73) | Washington | 47 | 21.1 (65) | 17.6 (66) | |
| | | | | | | | | | | | | Jackson | 45 | 20.3 (71) | 16.4 (73) | Webster | 95 | 21.6 (62) | 18.0 (60) | |
| | | | | | | | | | | | | Jasper | 90 | 22.9 (53) | 19.8 (31) | Winneshiek | 35 | 15.1 (94) | 13.6 (94) | |
| | | | | | | | | | | | | | | | | Total | 2,567 | 18.4 | 19.5 | |
| | | | | | | | | | | | | | | | | State Totals | 6,570 | 20.9 | 19.0 | |

¹Rates per 100,000 population

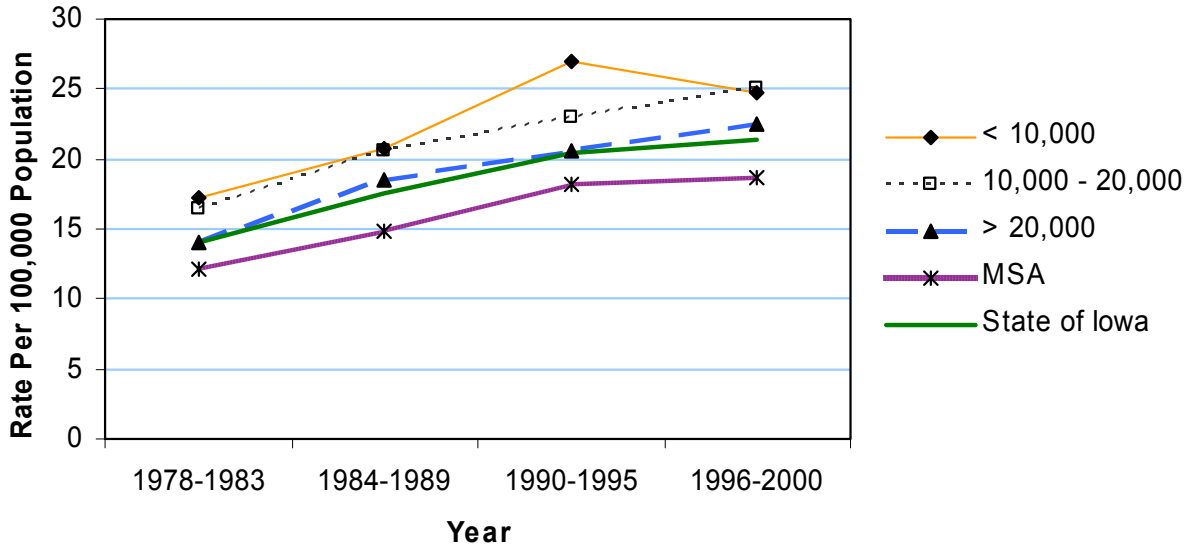
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

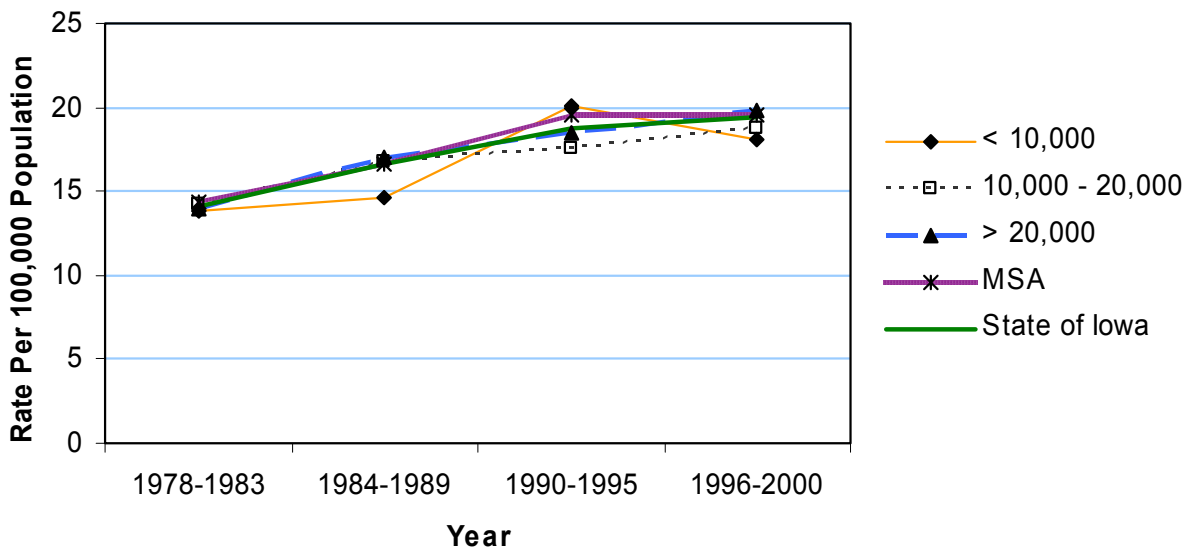
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

Non-Hodgkin's Lymphoma Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Non-Hodgkin's Lymphoma Mortality 1990-2000

| | Average Population < 10,000 | | | | Average Population 10,000 to 20,000 | | | | Average Population > 20,000 | | | | MSA Counties | | | |
|---|-----------------------------|-----------|--|---|-------------------------------------|-----------|--|---|-----------------------------|-----------|--|---|---------------|-----------|--|---|
| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
| Counties with Average Population < 10,000 | Adair | 14 | 15.2 (18) | 8.4 (64) | Lucas | 16 | 15.7 (15) | 11.3 (13) | Lucas | 16 | 15.7 (15) | 11.3 (13) | Lucas | 16 | 15.7 (15) | 11.3 (13) |
| | Adams | 6 | 11.9 (51) | 9.2 (44) | Monroe | 9 | 10.1 (72) | 6.8 (90) | Monroe | 9 | 10.1 (72) | 6.8 (90) | Monroe | 9 | 10.1 (72) | 6.8 (90) |
| | Audubon | 5 | 6.5 (97) | 3.8 (98) | Osceola | 9 | 11.4 (58) | 7.4 (80) | Osceola | 9 | 11.4 (58) | 7.4 (80) | Osceola | 9 | 11.4 (58) | 7.4 (80) |
| | Clarke | 19 | 20.0 (04) | 15.7 (01) | Pocahontas | 16 | 16.0 (12) | 10.2 (23) | Pocahontas | 16 | 16.0 (12) | 10.2 (23) | Pocahontas | 16 | 16.0 (12) | 10.2 (23) |
| | Davis | 11 | 11.9 (51) | 8.5 (61) | Ringgold | 10 | 16.8 (08) | 9.0 (47) | Ringgold | 10 | 16.8 (08) | 9.0 (47) | Ringgold | 10 | 16.8 (08) | 9.0 (47) |
| | Decatur | 15 | 16.2 (11) | 12.3 (09) | Taylor | 6 | 7.8 (91) | 3.7 (99) | Taylor | 6 | 7.8 (91) | 3.7 (99) | Taylor | 6 | 7.8 (91) | 3.7 (99) |
| | Fremont | 13 | 14.5 (22) | 11.6 (11) | Van Buren | 6 | 7.1 (94) | 5.5 (95) | Van Buren | 6 | 7.1 (94) | 5.5 (95) | Van Buren | 6 | 7.1 (94) | 5.5 (95) |
| | Howard | 10 | 9.1 (78) | 7.2 (83) | Wayne | 12 | 15.7 (15) | 10.0 (26) | Wayne | 12 | 15.7 (15) | 10.0 (26) | Wayne | 12 | 15.7 (15) | 10.0 (26) |
| | Ida | 11 | 12.3 (46) | 8.0 (73) | Worth | 16 | 18.3 (06) | 13.8 (03) | Worth | 16 | 18.3 (06) | 13.8 (03) | Worth | 16 | 18.3 (06) | 13.8 (03) |
| | | | | | Total | 204 | 13.2 | 9.1 | Total | 204 | 13.2 | 9.1 | Total | 204 | 13.2 | 9.1 |
| Counties with Average Population 10,000 to 20,000 | Allamakee | 20 | 12.7 (41) | 8.9 (49) | Humboldt | 19 | 16.4 (10) | 10.3 (21) | Humboldt | 19 | 16.4 (10) | 10.3 (21) | Humboldt | 19 | 16.4 (10) | 10.3 (21) |
| | Appanoose | 21 | 13.9 (26) | 8.7 (55) | Iowa | 31 | 18.6 (05) | 13.7 (04) | Iowa | 31 | 18.6 (05) | 13.7 (04) | Iowa | 31 | 18.6 (05) | 13.7 (04) |
| | Butler | 17 | 9.9 (73) | 6.9 (86) | Jefferson | 25 | 13.8 (27) | 12.5 (08) | Jefferson | 25 | 13.8 (27) | 12.5 (08) | Jefferson | 25 | 13.8 (27) | 12.5 (08) |
| | Calhoun | 20 | 15.9 (13) | 10.9 (16) | Keokuk | 16 | 12.6 (43) | 7.9 (76) | Keokuk | 16 | 12.6 (43) | 7.9 (76) | Keokuk | 16 | 12.6 (43) | 7.9 (76) |
| | Cass | 18 | 10.9 (63) | 6.9 (86) | Kossuth | 26 | 13.3 (31) | 9.5 (38) | Kossuth | 26 | 13.3 (31) | 9.5 (38) | Kossuth | 26 | 13.3 (31) | 9.5 (38) |
| | Cedar | 22 | 11.2 (60) | 8.8 (53) | Louisa | 9 | 6.9 (95) | 5.8 (94) | Louisa | 9 | 6.9 (95) | 5.8 (94) | Louisa | 9 | 6.9 (95) | 5.8 (94) |
| | Cherokee | 19 | 12.7 (41) | 8.8 (53) | Lyon | 18 | 13.8 (27) | 10.4 (20) | Lyon | 18 | 13.8 (27) | 10.4 (20) | Lyon | 18 | 13.8 (27) | 10.4 (20) |
| | Chickasaw | 18 | 12.4 (45) | 9.1 (46) | Madison | 16 | 11.0 (61) | 9.9 (30) | Madison | 16 | 11.0 (61) | 9.9 (30) | Madison | 16 | 11.0 (61) | 9.9 (30) |
| | Clay | 25 | 12.9 (39) | 10.2 (23) | Mills | 11 | 7.3 (93) | 7.0 (85) | Mills | 11 | 7.3 (93) | 7.0 (85) | Mills | 11 | 7.3 (93) | 7.0 (85) |
| | Clayton | 20 | 9.6 (75) | 7.5 (79) | Mitchell | 20 | 16.7 (09) | 9.9 (30) | Mitchell | 20 | 16.7 (09) | 9.9 (30) | Mitchell | 20 | 16.7 (09) | 9.9 (30) |
| | Crawford | 16 | 8.7 (85) | 6.6 (92) | Monona | 15 | 13.6 (29) | 7.3 (81) | Monona | 15 | 13.6 (29) | 7.3 (81) | Monona | 15 | 13.6 (29) | 7.3 (81) |
| | Delaware | 20 | 9.9 (73) | 8.7 (55) | Montgomery | 30 | 22.9 (01) | 13.6 (05) | Montgomery | 30 | 22.9 (01) | 13.6 (05) | Montgomery | 30 | 22.9 (01) | 13.6 (05) |
| | Dickinson | 23 | 13.3 (31) | 9.6 (36) | O'Brien | 21 | 12.3 (46) | 7.8 (77) | O'Brien | 21 | 12.3 (46) | 7.8 (77) | O'Brien | 21 | 12.3 (46) | 7.8 (77) |
| | Emmet | 22 | 17.5 (07) | 12.6 (07) | Page | 24 | 12.9 (39) | 8.0 (73) | Page | 24 | 12.9 (39) | 8.0 (73) | Page | 24 | 12.9 (39) | 8.0 (73) |
| | Floyd | 40 | 21.4 (02) | 15.2 (02) | Palo Alto | 23 | 20.2 (03) | 13.0 (06) | Palo Alto | 23 | 20.2 (03) | 13.0 (06) | Palo Alto | 23 | 20.2 (03) | 13.0 (06) |
| | Franklin | 10 | 8.2 (88) | 4.9 (96) | Poweshiek | 30 | 14.4 (23) | 10.8 (18) | Poweshiek | 30 | 14.4 (23) | 10.8 (18) | Poweshiek | 30 | 14.4 (23) | 10.8 (18) |
| | Greene | 16 | 14.2 (24) | 9.4 (40) | Sac | 14 | 10.6 (66) | 6.9 (86) | Sac | 14 | 10.6 (66) | 6.9 (86) | Sac | 14 | 10.6 (66) | 6.9 (86) |
| | Grundy | 19 | 14.2 (24) | 9.4 (40) | Shelby | 11 | 7.5 (92) | 4.6 (97) | Shelby | 11 | 7.5 (92) | 4.6 (97) | Shelby | 11 | 7.5 (92) | 4.6 (97) |
| | Guthrie | 15 | 12.2 (49) | 8.2 (68) | Tama | 23 | 11.7 (53) | 8.2 (68) | Tama | 23 | 11.7 (53) | 8.2 (68) | Tama | 23 | 11.7 (53) | 8.2 (68) |
| | Hamilton | 27 | 15.1 (19) | 11.6 (11) | Union | 18 | 13.1 (33) | 8.5 (61) | Union | 18 | 13.1 (33) | 8.5 (61) | Union | 18 | 13.1 (33) | 8.5 (61) |
| Hancock | 21 | 15.6 (17) | 11.3 (13) | Winnebago | 17 | 13.1 (33) | 9.7 (34) | Winnebago | 17 | 13.1 (33) | 9.7 (34) | Winnebago | 17 | 13.1 (33) | 9.7 (34) | |
| Hardin | 33 | 15.8 (14) | 9.8 (32) | Wright | 24 | 15.1 (19) | 9.2 (44) | Wright | 24 | 15.1 (19) | 9.2 (44) | Wright | 24 | 15.1 (19) | 9.2 (44) | |
| Harrison | 18 | 10.8 (64) | 7.2 (83) | Total | 921 | 13.2 | 9.3 | Total | 921 | 13.2 | 9.3 | Total | 921 | 13.2 | 9.3 | |
| Counties with Average Population > 20,000 | Benton | 34 | 13.0 (36) | 10.3 (21) | Jones | 23 | 10.4 (71) | 8.7 (55) | Jones | 23 | 10.4 (71) | 8.7 (55) | Jones | 23 | 10.4 (71) | 8.7 (55) |
| | Boone | 26 | 9.2 (77) | 6.8 (90) | Lee | 63 | 14.8 (21) | 12.3 (09) | Lee | 63 | 14.8 (21) | 12.3 (09) | Lee | 63 | 14.8 (21) | 12.3 (09) |
| | Bremer | 28 | 11.0 (61) | 8.9 (49) | Mahaska | 23 | 9.5 (76) | 8.0 (73) | Mahaska | 23 | 9.5 (76) | 8.0 (73) | Mahaska | 23 | 9.5 (76) | 8.0 (73) |
| | Buchanan | 29 | 12.5 (44) | 11.2 (15) | Marion | 36 | 10.6 (66) | 8.9 (49) | Marion | 36 | 10.6 (66) | 8.9 (49) | Marion | 36 | 10.6 (66) | 8.9 (49) |
| | Buena Vista | 30 | 13.4 (30) | 10.6 (19) | Marshall | 50 | 11.7 (53) | 9.0 (47) | Marshall | 50 | 11.7 (53) | 9.0 (47) | Marshall | 50 | 11.7 (53) | 9.0 (47) |
| | Carroll | 27 | 11.4 (58) | 8.4 (64) | Muscatine | 38 | 8.4 (87) | 8.2 (68) | Muscatine | 38 | 8.4 (87) | 8.2 (68) | Muscatine | 38 | 8.4 (87) | 8.2 (68) |
| | Cerro Gordo | 63 | 12.2 (49) | 9.6 (36) | Plymouth | 28 | 10.5 (69) | 8.1 (72) | Plymouth | 28 | 10.5 (69) | 8.1 (72) | Plymouth | 28 | 10.5 (69) | 8.1 (72) |
| | Clinton | 73 | 13.0 (36) | 10.9 (16) | Sioux | 31 | 9.1 (78) | 7.7 (78) | Sioux | 31 | 9.1 (78) | 7.7 (78) | Sioux | 31 | 9.1 (78) | 7.7 (78) |
| | Des Moines | 58 | 12.3 (46) | 10.2 (23) | Story | 58 | 6.9 (95) | 8.7 (55) | Story | 58 | 6.9 (95) | 8.7 (55) | Story | 58 | 6.9 (95) | 8.7 (55) |
| | Fayette | 28 | 11.5 (57) | 8.3 (67) | Wapello | 52 | 13.1 (33) | 9.7 (34) | Wapello | 52 | 13.1 (33) | 9.7 (34) | Wapello | 52 | 13.1 (33) | 9.7 (34) |
| | Henry | 19 | 8.7 (85) | 7.3 (81) | Washington | 26 | 11.7 (53) | 9.4 (40) | Washington | 26 | 11.7 (53) | 9.4 (40) | Washington | 26 | 11.7 (53) | 9.4 (40) |
| | Jackson | 24 | 10.8 (64) | 8.4 (64) | Webster | 57 | 13.0 (36) | 10.0 (26) | Webster | 57 | 13.0 (36) | 10.0 (26) | Webster | 57 | 13.0 (36) | 10.0 (26) |
| | Jasper | 46 | 11.7 (53) | 10.0 (26) | Winneshiek | 19 | 8.2 (88) | 6.9 (86) | Winneshiek | 19 | 8.2 (88) | 6.9 (86) | Winneshiek | 19 | 8.2 (88) | 6.9 (86) |
| | | | | | Total | 989 | 11.0 | 9.2 | Total | 989 | 11.0 | 9.2 | Total | 989 | 11.0 | 9.2 |
| MSA Counties | Black Hawk | 126 | 9.0 (80) | 8.5 (61) | Polk | 349 | 9.0 (80) | 10.0 (26) | Polk | 349 | 9.0 (80) | 10.0 (26) | Polk | 349 | 9.0 (80) | 10.0 (26) |
| | Dallas | 34 | 8.9 (83) | 8.9 (49) | Pottawattamie | 82 | 8.8 (84) | 8.6 (59) | Pottawattamie | 82 | 8.8 (84) | 8.6 (59) | Pottawattamie | 82 | 8.8 (84) | 8.6 (59) |
| | Dubuque | 103 | 10.6 (66) | 9.5 (38) | Scott | 136 | 7.9 (90) | 8.6 (59) | Scott | 136 | 7.9 (90) | 8.6 (59) | Scott | 136 | 7.9 (90) | 8.6 (59) |
| | Johnson | 59 | 5.2 (99) | 8.2 (68) | Warren | 26 | 6.1 (98) | 6.6 (92) | Warren | 26 | 6.1 (98) | 6.6 (92) | Warren | 26 | 6.1 (98) | 6.6 (92) |
| | Linn | 180 | 9.0 (80) | 9.4 (40) | Woodbury | 118 | 10.5 (69) | 9.8 (32) | Woodbury | 118 | 10.5 (69) | 9.8 (32) | Woodbury | 118 | 10.5 (69) | 9.8 (32) |
| | State Totals | 3,327 | 10.6 | 9.2 | Total | 1,213 | 8.7 | 9.2 | Total | 1,213 | 8.7 | 9.2 | Total | 1,213 | 8.7 | 9.2 |

¹Rates per 100,000 population

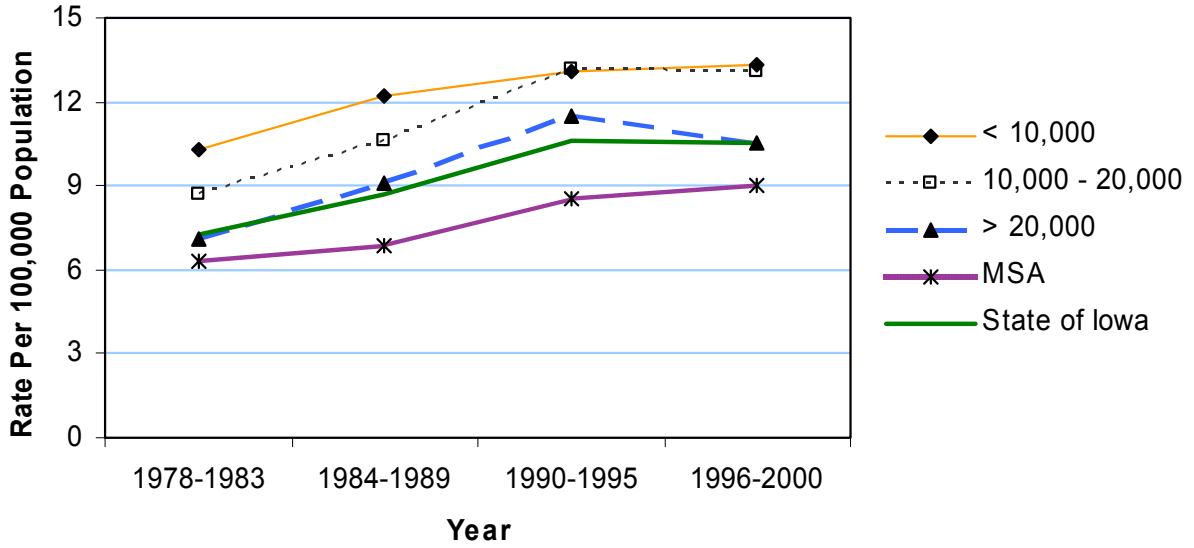
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

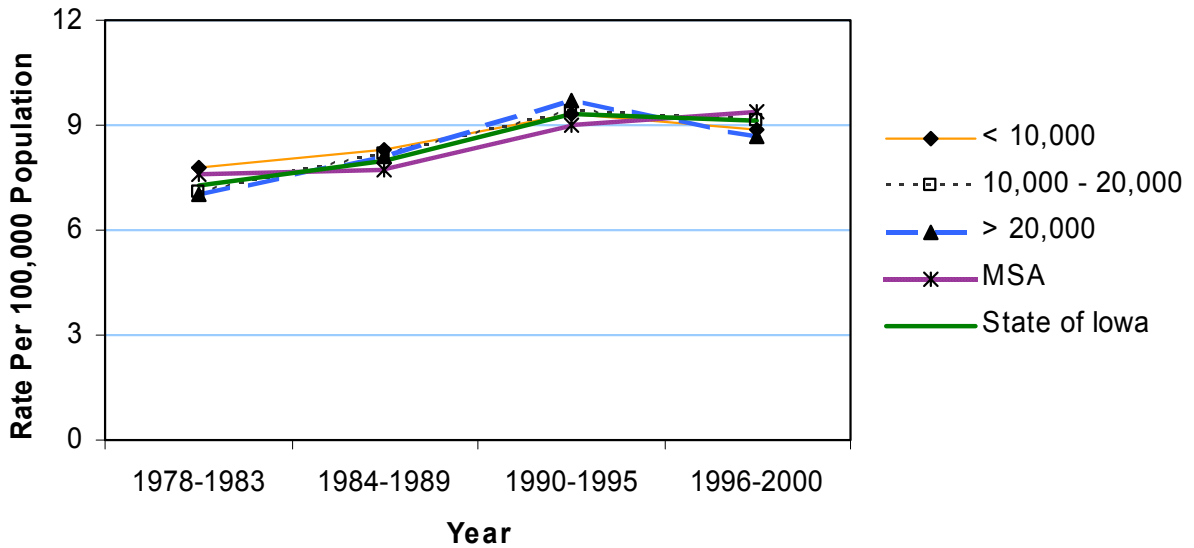
Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

Non-Hodgkin's Lymphoma Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Leukemia Incidence 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|---|--|-----------|--|---|---------------|-----------|--|---|
| | | | | | | | | |
| Counties with Average Population < 10,000 | Adair | 19 | 20.6 (29) | 14.1 (59) | Lucas | 23 | 22.6 (19) | 16.6 (18) |
| | Adams | 5 | 9.9 (99) | 7.6 (97) | Monroe | 17 | 19.0 (40) | 14.5 (54) |
| | Audubon | 21 | 27.2 (02) | 14.6 (51) | Osceola | 14 | 17.7 (54) | 14.2 (57) |
| | Clarke | 14 | 14.8 (77) | 12.0 (80) | Pocahontas | 25 | 25.0 (11) | 17.4 (15) |
| | Davis | 16 | 17.2 (59) | 13.8 (65) | Ringgold | 8 | 13.4 (89) | 7.4 (99) |
| | Decatur | 13 | 14.1 (83) | 9.7 (94) | Taylor | 15 | 19.4 (35) | 12.0 (80) |
| | Fremont | 24 | 26.8 (04) | 19.1 (07) | Van Buren | 18 | 21.2 (25) | 14.4 (55) |
| | Howard | 20 | 18.3 (46) | 11.5 (83) | Wayne | 18 | 23.6 (14) | 16.6 (18) |
| | Ida | 11 | 12.3 (92) | 11.1 (87) | Worth | 13 | 14.9 (76) | 11.0 (88) |
| | | | | | Total | 294 | 19.0 | 13.4 |
| | Counties with Average Population 10,000 to 20,000 | Allamakee | 28 | 17.7 (54) | 12.6 (77) | Humboldt | 24 | 20.7 (28) |
| Appanoose | | 20 | 13.2 (90) | 9.0 (96) | Iowa | 30 | 18.0 (51) | 13.7 (66) |
| Butler | | 43 | 25.2 (09) | 18.8 (09) | Jefferson | 33 | 18.3 (46) | 16.1 (23) |
| Calhoun | | 32 | 25.5 (07) | 16.3 (22) | Keokuk | 33 | 26.1 (05) | 18.1 (10) |
| Cass | | 27 | 16.4 (66) | 10.2 (92) | Kossuth | 42 | 21.5 (23) | 15.9 (25) |
| Cedar | | 40 | 20.4 (30) | 16.6 (18) | Louisa | 19 | 14.5 (79) | 13.0 (73) |
| Cherokee | | 27 | 18.0 (51) | 13.4 (67) | Lyon | 16 | 12.3 (92) | 9.2 (95) |
| Chickasaw | | 22 | 15.1 (73) | 10.9 (90) | Madison | 25 | 17.2 (59) | 15.3 (39) |
| Clay | | 32 | 16.5 (65) | 13.1 (71) | Mills | 22 | 14.5 (79) | 14.1 (59) |
| Clayton | | 35 | 16.8 (63) | 13.4 (67) | Mitchell | 21 | 17.5 (56) | 14.1 (59) |
| Crawford | | 37 | 20.0 (32) | 15.9 (25) | Monona | 30 | 27.1 (03) | 19.7 (03) |
| Delaware | | 23 | 11.4 (95) | 10.5 (91) | Montgomery | 24 | 18.3 (46) | 11.5 (83) |
| Dickinson | | 36 | 20.9 (27) | 14.1 (59) | O'Brien | 40 | 23.5 (15) | 16.7 (17) |
| Emmet | | 18 | 14.3 (82) | 11.2 (86) | Page | 21 | 11.2 (96) | 7.5 (98) |
| Floyd | | 35 | 18.7 (43) | 13.2 (70) | Palo Alto | 23 | 20.2 (31) | 15.3 (39) |
| Franklin | | 19 | 15.6 (72) | 12.9 (75) | Poweshiek | 40 | 19.2 (37) | 14.9 (48) |
| Greene | | 28 | 24.8 (12) | 15.4 (36) | Sac | 24 | 18.2 (49) | 12.1 (79) |
| Grundy | | 34 | 25.3 (08) | 19.7 (03) | Shelby | 26 | 17.8 (53) | 13.1 (71) |
| Guthrie | | 28 | 22.7 (17) | 15.7 (29) | Tama | 39 | 19.9 (33) | 15.5 (31) |
| Hamilton | | 45 | 25.1 (10) | 18.9 (08) | Union | 20 | 14.6 (78) | 11.3 (85) |
| Hancock | 26 | 19.4 (35) | 14.6 (51) | Winnebago | 25 | 19.2 (37) | 14.4 (55) | |
| Hardin | 47 | 22.5 (20) | 16.5 (21) | Wright | 38 | 23.9 (13) | 15.9 (25) | |
| Harrison | 25 | 15.0 (74) | 10.2 (92) | Total | 1,322 | 18.9 | 14.1 | |
| Counties with Average Population > 20,000 | Benton | 56 | 21.3 (24) | 17.7 (13) | Jones | 30 | 13.6 (86) | 11.6 (82) |
| | Boone | 64 | 22.7 (17) | 17.9 (11) | Lee | 73 | 17.1 (61) | 14.6 (51) |
| | Bremer | 37 | 14.5 (79) | 12.2 (78) | Mahaska | 40 | 16.6 (64) | 14.0 (63) |
| | Buchanan | 40 | 17.3 (58) | 15.5 (31) | Marion | 80 | 23.5 (15) | 20.2 (02) |
| | Buena Vista | 49 | 21.9 (22) | 19.3 (06) | Marshall | 81 | 19.0 (40) | 15.5 (31) |
| | Carroll | 44 | 18.5 (44) | 15.2 (42) | Muscatine | 68 | 15.0 (74) | 15.1 (43) |
| | Cerro Gordo | 97 | 18.8 (42) | 15.4 (36) | Plymouth | 49 | 18.4 (45) | 15.3 (39) |
| | Clinton | 91 | 16.2 (68) | 14.2 (57) | Sioux | 56 | 16.4 (66) | 15.1 (43) |
| | Des Moines | 99 | 21.0 (26) | 17.6 (14) | Story | 104 | 12.3 (92) | 15.4 (36) |
| | Fayette | 68 | 28.0 (01) | 21.9 (01) | Wapello | 79 | 19.9 (33) | 15.5 (31) |
| | Henry | 38 | 17.4 (57) | 15.0 (47) | Washington | 58 | 26.1 (05) | 19.6 (05) |
| | Jackson | 49 | 22.1 (21) | 17.8 (12) | Webster | 80 | 18.2 (49) | 15.1 (43) |
| | Jasper | 75 | 19.1 (39) | 15.8 (28) | Winneshiek | 37 | 15.9 (70) | 14.0 (63) |
| | | | | | Total | 1,642 | 18.3 | 15.9 |
| MSA Counties | Black Hawk | 189 | 13.5 (87) | 13.0 (73) | Polk | 522 | 13.5 (87) | 14.7 (50) |
| | Dallas | 60 | 15.7 (71) | 15.5 (31) | Pottawattamie | 150 | 16.1 (69) | 15.7 (29) |
| | Dubuque | 133 | 13.7 (85) | 12.9 (75) | Scott | 213 | 12.4 (91) | 13.4 (67) |
| | Johnson | 126 | 11.0 (97) | 17.1 (16) | Warren | 59 | 13.9 (84) | 14.8 (49) |
| | Linn | 211 | 10.6 (98) | 11.0 (88) | Woodbury | 191 | 17.0 (62) | 16.1 (23) |
| | | | | | Total | 1,854 | 13.3 | 14.0 |
| State Totals | | 5,112 | 16.2 | 14.6 | | | | |

¹Rates per 100,000 population

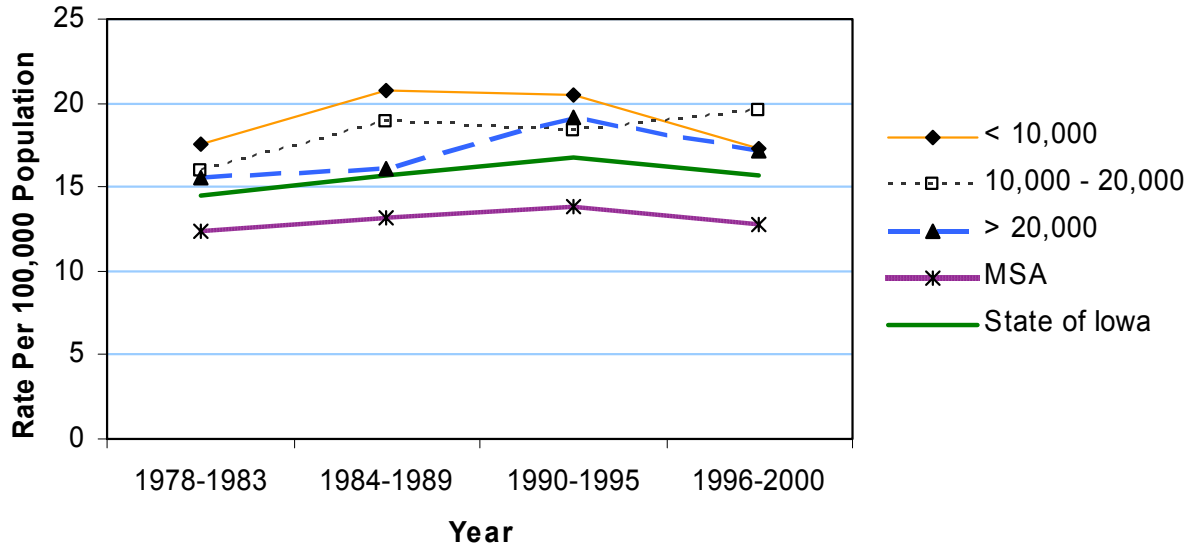
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

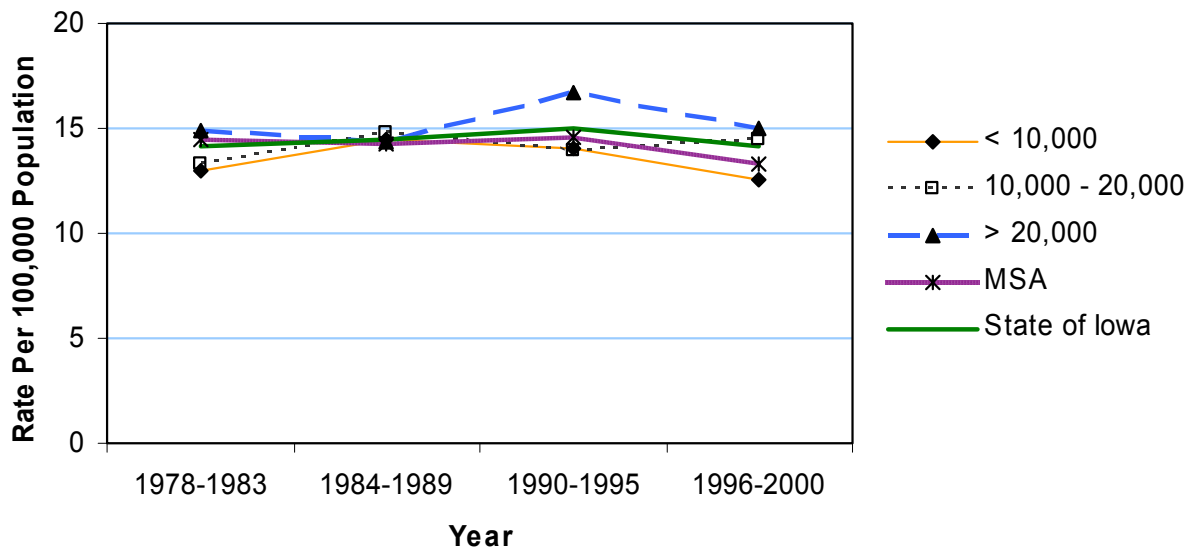
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

Leukemia Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Leukemia Mortality 1990-2000

| | County | # | Crude ¹ | Adjusted ^{1,2} | County | # | Crude ¹ | Adjusted ^{1,2} |
|---|---------------------|-------|--------------------|-------------------------|---------------|-------|--------------------|-------------------------|
| | | | | | | | | |
| Counties with Average Population < 10,000 | Adair | 13 | 14.1 | 8.1 | Lucas | 19 | 18.6 | 12.2 |
| | Adams | * | * | * | Monroe | 12 | 13.4 | 10.6 |
| | Audubon | 15 | 19.4 | 10.3 | Osceola | 10 | 12.7 | 10.1 |
| | Clarke | 15 | 15.8 | 12.0 | Pocahontas | 17 | 17.0 | 10.7 |
| | Davis | 11 | 11.9 | 8.4 | Ringgold | * | * | * |
| | Decatur | 8 | 8.7 | 5.8 | Taylor | 11 | 14.2 | 7.5 |
| | Fremont | 17 | 19.0 | 14 | Van Buren | 6 | 7.1 | 5.6 |
| | Howard | 11 | 10.1 | 6.3 | Wayne | 10 | 13.1 | 9.2 |
| | Ida | 5 | 5.6 | 3.2 | Worth | 12 | 13.7 | 10.9 |
| | | | | | Total | 197 | 12.8 | 8.6 |
| Counties with Average Population 10,000 to 20,000 | Allamakee | 16 | 10.1 | 6.5 | Humboldt | 16 | 13.8 | 10.3 |
| | Appanoose | 9 | 5.9 | 4.0 | Iowa | 15 | 9.0 | 6.0 |
| | Butler | 31 | 18.1 | 12.9 | Jefferson | 12 | 6.6 | 5.5 |
| | Calhoun | 17 | 13.5 | 8.0 | Keokuk | 17 | 13.4 | 9.1 |
| | Cass | 22 | 13.4 | 8.1 | Kossuth | 33 | 16.9 | 12.6 |
| | Cedar | 20 | 10.2 | 8.0 | Louisa | 11 | 8.4 | 7.3 |
| | Cherokee | 14 | 9.3 | 6.5 | Lyon | 19 | 14.6 | 10.3 |
| | Chickasaw | 14 | 9.6 | 6.7 | Madison | 19 | 13.1 | 10.2 |
| | Clay | 14 | 7.2 | 5.2 | Mills | 8 | 5.3 | 4.9 |
| | Clayton | 26 | 12.5 | 8.9 | Mitchell | 14 | 11.7 | 7.9 |
| | Crawford | 19 | 10.3 | 8.4 | Monona | 14 | 12.7 | 7.6 |
| | Delaware | 13 | 6.5 | 6.0 | Montgomery | 24 | 18.3 | 10.8 |
| | Dickinson | 24 | 13.9 | 10 | O'Brien | 27 | 15.9 | 10.3 |
| | Emmet | 12 | 9.6 | 6.6 | Page | 17 | 9.1 | 6.1 |
| | Floyd | 19 | 10.2 | 6.6 | Palo Alto | 9 | 7.9 | 4.8 |
| | Franklin | 15 | 12.3 | 8.4 | Poweshiek | 27 | 13.0 | 9.4 |
| | Greene | 14 | 12.4 | 6.6 | Sac | 12 | 9.1 | 6.4 |
| | Grundy | 20 | 14.9 | 10 | Shelby | 18 | 12.3 | 9.3 |
| | Guthrie | 14 | 11.4 | 7.9 | Tama | 25 | 12.7 | 9.1 |
| | Hamilton | 24 | 13.4 | 9.5 | Union | 14 | 10.2 | 7.5 |
| Hancock | 14 | 10.4 | 7.5 | Winnebago | 17 | 13.1 | 10.3 | |
| Hardin | 31 | 14.9 | 11.1 | Wright | 22 | 13.9 | 7.9 | |
| Harrison | 16 | 9.6 | 6.4 | Total | 808 | 11.5 | 8.1 | |
| Counties with Average Population > 20,000 | Benton | 33 | 12.6 | 10.3 | Jones | 16 | 7.2 | 6.0 |
| | Boone | 39 | 13.8 | 10.4 | Lee | 39 | 9.2 | 7.6 |
| | Bremer | 21 | 8.2 | 6.5 | Mahaska | 19 | 7.9 | 6.0 |
| | Buchanan | 28 | 12.1 | 10.7 | Marion | 50 | 14.7 | 12.3 |
| | Buena Vista | 22 | 9.8 | 8.3 | Marshall | 35 | 8.2 | 6.2 |
| | Carroll | 22 | 9.3 | 7.3 | Muscatine | 39 | 8.6 | 8.6 |
| | Cerro Gordo | 55 | 10.7 | 8.1 | Plymouth | 25 | 9.4 | 7.5 |
| | Clinton | 54 | 9.6 | 8.5 | Sioux | 35 | 10.2 | 9.2 |
| | Des Moines | 56 | 11.9 | 9.3 | Story | 60 | 7.1 | 8.9 |
| | Fayette | 28 | 11.5 | 8.8 | Wapello | 54 | 13.6 | 10.4 |
| | Henry | 21 | 9.6 | 8.0 | Washington | 26 | 11.7 | 8.5 |
| | Jackson | 29 | 13.1 | 10.5 | Webster | 41 | 9.3 | 7.0 |
| | Jasper | 40 | 10.2 | 8.1 | Winneshiek | 18 | 7.7 | 6.5 |
| | | | | | Total | 905 | 10.1 | 8.4 |
| MSA Counties | Black Hawk | 111 | 8.0 | 7.5 | Polk | 287 | 7.4 | 8.2 |
| | Dallas | 26 | 6.8 | 6.8 | Pottawattamie | 92 | 9.9 | 9.6 |
| | Dubuque | 77 | 7.9 | 7.1 | Scott | 104 | 6.1 | 6.6 |
| | Johnson | 88 | 7.7 | 11.8 | Warren | 32 | 7.5 | 8.1 |
| | Linn | 151 | 7.6 | 7.8 | Woodbury | 98 | 8.7 | 8.1 |
| | State Totals | 2,976 | 9.5 | 8.2 | Total | 1,066 | 7.6 | 8.0 |

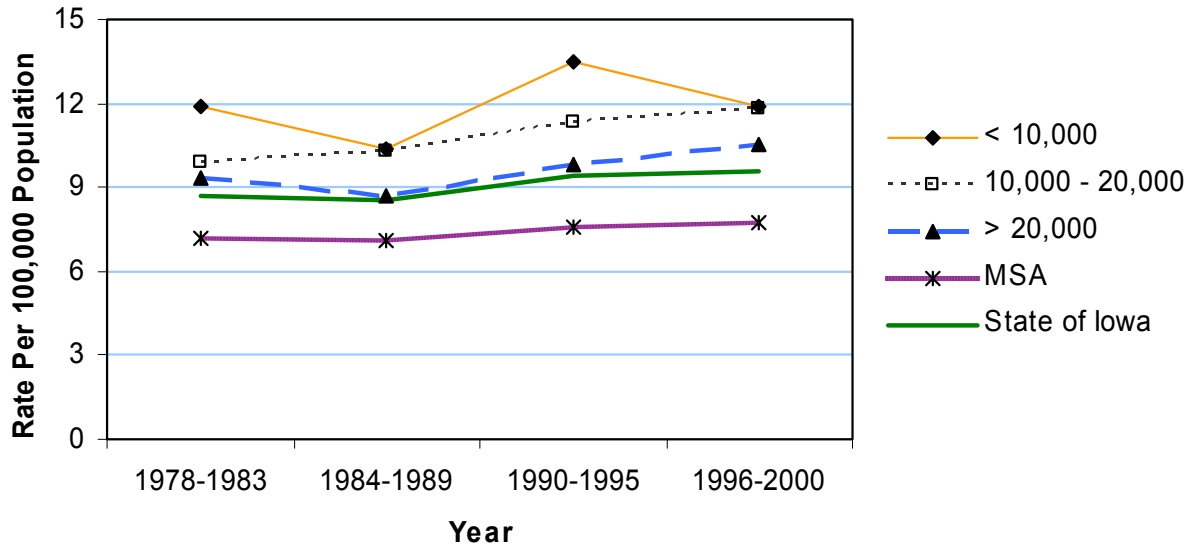
¹Rates per 100,000 population

²Adjusted to Year 2000 population

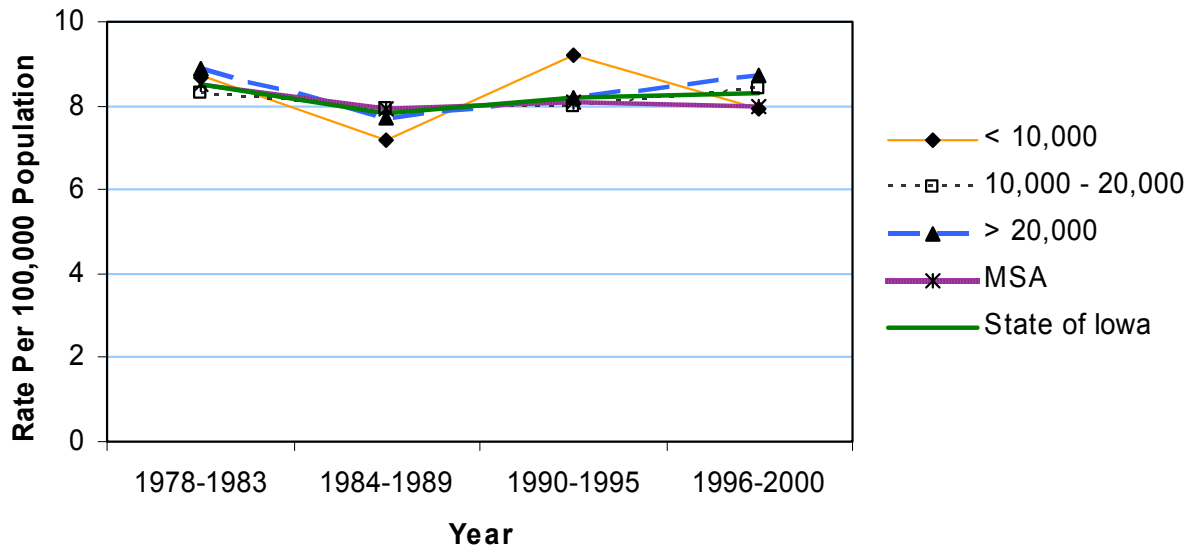
Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

Leukemia Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Skin Melanoma Incidence 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|---|---------------------|-----------|--|---|---------------|-----------|--|---|
| | | | | | | | | |
| Counties with Average Population < 10,000 | Adair | 10 | 10.9 (89) | 8.7 (92) | Lucas | 17 | 16.7 (32) | 15.5 (26) |
| | Adams | 9 | 17.8 (21) | 13.7 (49) | Monroe | 13 | 14.5 (57) | 11.0 (78) |
| | Audubon | 10 | 13.0 (70) | 8.7 (92) | Osceola | 6 | 7.6 (98) | 5.8 (98) |
| | Clarke | 20 | 21.1 (06) | 15.4 (28) | Pocahontas | 8 | 8.0 (97) | 5.3 (99) |
| | Davis | 14 | 15.1 (52) | 13.4 (53) | Ringgold | 11 | 18.4 (17) | 14.0 (44) |
| | Decatur | 22 | 23.8 (03) | 21.8 (02) | Taylor | 11 | 14.2 (62) | 10.9 (80) |
| | Fremont | 10 | 11.2 (86) | 9.1 (90) | Van Buren | 12 | 14.1 (63) | 12.2 (67) |
| | Howard | 17 | 15.5 (46) | 15.1 (31) | Wayne | 12 | 15.7 (44) | 12.5 (62) |
| | Ida | 18 | 20.1 (10) | 16.4 (16) | Worth | 15 | 17.2 (25) | 12.3 (65) |
| | | | | | Total | 235 | 15.2 | 12.2 |
| Counties with Average Population 10,000 to 20,000 | Allamakee | 28 | 17.7 (23) | 15.1 (31) | Humboldt | 14 | 12.1 (83) | 9.0 (91) |
| | Appanoose | 27 | 17.8 (21) | 13.6 (50) | Iowa | 21 | 12.6 (76) | 11.5 (70) |
| | Butler | 28 | 16.4 (36) | 14.1 (41) | Jefferson | 26 | 14.4 (58) | 13.2 (56) |
| | Calhoun | 17 | 13.5 (66) | 11.2 (76) | Keokuk | 17 | 13.4 (67) | 11.4 (72) |
| | Cass | 27 | 16.4 (36) | 14.1 (41) | Kossuth | 25 | 12.8 (73) | 11.5 (70) |
| | Cedar | 38 | 19.4 (12) | 18.4 (07) | Louisa | 21 | 16.0 (42) | 15.6 (23) |
| | Cherokee | 33 | 22.0 (05) | 18.3 (08) | Lyon | 22 | 16.9 (28) | 15.0 (33) |
| | Chickasaw | 16 | 11.0 (88) | 10.1 (88) | Madison | 17 | 11.7 (84) | 10.5 (83) |
| | Clay | 16 | 8.3 (96) | 7.5 (94) | Mills | 19 | 12.6 (76) | 12.5 (62) |
| | Clayton | 35 | 16.8 (29) | 14.5 (38) | Mitchell | 27 | 22.5 (04) | 15.6 (23) |
| | Crawford | 16 | 8.7 (95) | 7.4 (95) | Monona | 17 | 15.4 (48) | 13.3 (55) |
| | Delaware | 26 | 12.9 (71) | 13.1 (57) | Montgomery | 16 | 12.2 (81) | 10.5 (83) |
| | Dickinson | 35 | 20.3 (09) | 17.8 (10) | O'Brien | 24 | 14.1 (63) | 11.1 (77) |
| | Emmet | 11 | 8.8 (94) | 7.3 (96) | Page | 28 | 15.0 (54) | 12.2 (67) |
| | Floyd | 31 | 16.6 (34) | 13.9 (46) | Palo Alto | 15 | 13.1 (69) | 11.0 (78) |
| | Franklin | 15 | 12.3 (79) | 11.4 (72) | Poweshiek | 31 | 14.9 (55) | 14.4 (40) |
| | Greene | 21 | 18.6 (15) | 15.8 (20) | Sac | 27 | 20.5 (08) | 14.6 (37) |
| | Grundy | 32 | 23.9 (01) | 20.5 (04) | Shelby | 21 | 14.4 (58) | 12.3 (65) |
| | Guthrie | 23 | 18.6 (15) | 16.2 (19) | Tama | 32 | 16.3 (38) | 14.5 (38) |
| | Hamilton | 25 | 13.9 (65) | 12.6 (61) | Union | 23 | 16.8 (29) | 14.9 (34) |
| Hancock | 10 | 7.4 (99) | 5.9 (97) | Winnebago | 23 | 17.7 (23) | 17.1 (11) | |
| Hardin | 30 | 14.4 (58) | 12.4 (64) | Wright | 30 | 18.9 (14) | 13.4 (53) | |
| Harrison | 18 | 10.8 (91) | 10.0 (89) | Total | 1,054 | 15.1 | 13.1 | |
| Counties with Average Population > 20,000 | Benton | 33 | 12.6 (76) | 11.3 (75) | Jones | 53 | 23.9 (01) | 22.5 (01) |
| | Boone | 51 | 18.1 (18) | 16.4 (16) | Lee | 66 | 15.5 (46) | 14.1 (41) |
| | Bremer | 50 | 19.6 (11) | 18.3 (08) | Mahaska | 27 | 11.2 (86) | 10.6 (82) |
| | Buchanan | 48 | 20.7 (07) | 21.2 (03) | Marion | 40 | 11.7 (84) | 10.8 (81) |
| | Buena Vista | 22 | 9.8 (93) | 10.2 (87) | Marshall | 73 | 17.1 (27) | 15.3 (29) |
| | Carroll | 29 | 12.2 (81) | 11.4 (72) | Muscatine | 58 | 12.8 (73) | 13.1 (57) |
| | Cerro Gordo | 84 | 16.3 (38) | 14.7 (36) | Plymouth | 29 | 10.9 (89) | 10.3 (86) |
| | Clinton | 100 | 17.9 (20) | 17.0 (12) | Sioux | 52 | 15.2 (51) | 15.5 (26) |
| | Des Moines | 68 | 14.4 (58) | 13.5 (52) | Story | 132 | 15.6 (45) | 19.5 (06) |
| | Fayette | 47 | 19.3 (13) | 15.6 (23) | Wapello | 68 | 17.2 (25) | 15.7 (21) |
| | Henry | 33 | 15.1 (52) | 13.8 (47) | Washington | 40 | 18.0 (19) | 15.3 (29) |
| | Jackson | 34 | 15.3 (49) | 13.8 (47) | Webster | 65 | 14.8 (56) | 13.1 (57) |
| | Jasper | 65 | 16.5 (35) | 14.8 (35) | Winneshiek | 25 | 10.8 (91) | 10.5 (83) |
| | | | | | Total | 1,392 | 15.5 | 14.7 |
| MSA Counties | Black Hawk | 233 | 16.7 (32) | 16.6 (15) | Polk | 501 | 12.9 (71) | 13.6 (50) |
| | Dallas | 62 | 16.2 (40) | 16.4 (16) | Pottawattamie | 115 | 12.3 (79) | 12.1 (69) |
| | Dubuque | 163 | 16.8 (29) | 17.0 (12) | Scott | 227 | 13.2 (68) | 14.0 (44) |
| | Johnson | 184 | 16.1 (41) | 20.1 (05) | Warren | 68 | 16.0 (42) | 16.8 (14) |
| | Linn | 305 | 15.3 (49) | 15.7 (21) | Woodbury | 143 | 12.7 (75) | 13.1 (57) |
| | State Totals | 4,682 | 14.9 | 14.4 | Total | 2,001 | 14.3 | 15.0 |

¹Rates per 100,000 population

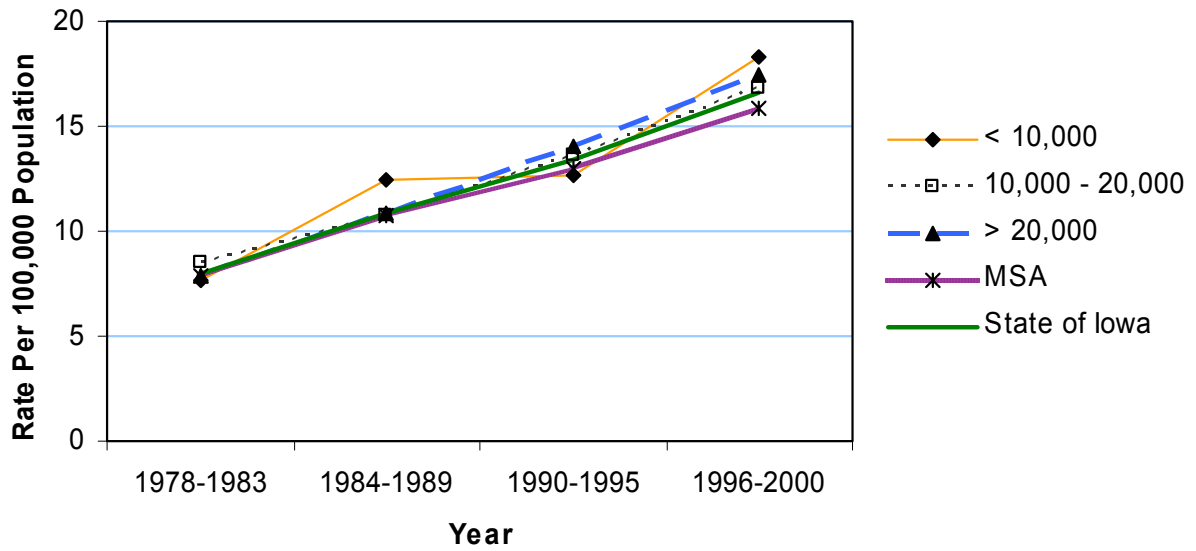
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

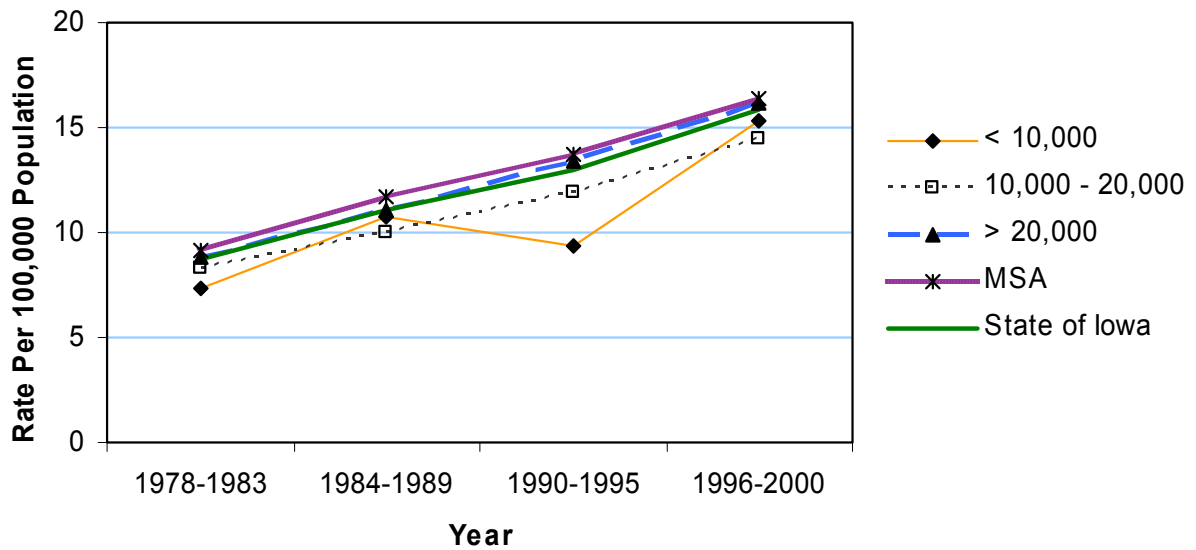
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

Skin Melanoma Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Skin Melanoma Mortality 1990-2000

| | Skin Melanoma Mortality 1990-2000 | | | | Skin Melanoma Mortality 1990-2000 | | | |
|---|--|------------|--------------------|-------------------------|-----------------------------------|----------|--------------------|-------------------------|
| | County | # | Crude ¹ | Adjusted ^{1,2} | County | # | Crude ¹ | Adjusted ^{1,2} |
| Counties with Average Population < 10,000 | Adair | 5 | 5.4 | 4.4 | Lucas | 5 | 4.9 | 4.4 |
| | Adams | * | * | * | Monroe | * | * | * |
| | Audubon | 5 | 6.5 | 5.2 | Osceola | * | * | * |
| | Clarke | * | * | * | Pocahontas | 6 | 6.0 | 3.8 |
| | Davis | * | * | * | Ringgold | * | * | * |
| | Decatur | * | * | * | Taylor | * | * | * |
| | Fremont | * | * | * | Van Buren | * | * | * |
| | Howard | * | * | * | Wayne | * | * | * |
| | Ida | * | * | * | Worth | 6 | 6.9 | 4.7 |
| | | | | | Total | 56 | 3.6 | 2.8 |
| | Counties with Average Population 10,000 to 20,000 | Allamakee | 6 | 3.8 | 2.9 | Humboldt | * | * |
| Appanoose | | * | * | * | Iowa | 5 | 3.0 | 2.3 |
| Butler | | * | * | * | Jefferson | 5 | 2.8 | 2.3 |
| Calhoun | | * | * | * | Keokuk | 6 | 4.7 | 3.3 |
| Cass | | * | * | * | Kossuth | * | * | * |
| Cedar | | 12 | 6.1 | 5.3 | Louisa | * | * | * |
| Cherokee | | 5 | 3.3 | 2.8 | Lyon | * | * | * |
| Chickasaw | | * | * | * | Madison | * | * | * |
| Clay | | 9 | 4.6 | 3.9 | Mills | * | * | * |
| Clayton | | * | * | * | Mitchell | * | * | * |
| Crawford | | * | * | * | Monona | 5 | 4.5 | 2.4 |
| Delaware | | 8 | 4.0 | 4 | Montgomery | 5 | 3.8 | 3.1 |
| Dickinson | | 7 | 4.1 | 2.8 | O'Brien | 10 | 5.9 | 3.9 |
| Emmet | | * | * | * | Page | * | * | * |
| Floyd | | * | * | * | Palo Alto | 6 | 5.3 | 3.9 |
| Franklin | | * | * | * | Poweshiek | 8 | 3.8 | 4 |
| Greene | | * | * | * | Sac | * | * | * |
| Grundy | | 8 | 6.0 | 4.4 | Shelby | 7 | 4.8 | 4.4 |
| Guthrie | | * | * | * | Tama | 5 | 2.5 | 2.6 |
| Hamilton | | 7 | 3.9 | 3 | Union | 6 | 4.4 | 3 |
| Hancock | 9 | 6.7 | 4.8 | Winnebago | 5 | 3.8 | 2.9 | |
| Hardin | * | * | * | Wright | 5 | 3.1 | 2.1 | |
| Harrison | 7 | 4.2 | 3.7 | Total | 225 | 3.2 | 2.5 | |
| Counties with Average Population > 20,000 | Benton | 8 | 3.0 | 2.6 | Jones | 7 | 3.2 | 3 |
| | Boone | 7 | 2.5 | 2.1 | Lee | 14 | 3.3 | 2.7 |
| | Bremer | 5 | 2.0 | 2 | Mahaska | * | * | * |
| | Buchanan | 9 | 3.9 | 3.9 | Marion | 10 | 2.9 | 2.7 |
| | Buena Vista | 9 | 4.0 | 4 | Marshall | 10 | 2.3 | 2.1 |
| | Carroll | 6 | 2.5 | 1.8 | Muscatine | 14 | 3.1 | 3.1 |
| | Cerro Gordo | 9 | 1.7 | 1.5 | Plymouth | 7 | 2.6 | 2.4 |
| | Clinton | 9 | 1.6 | 1.4 | Sioux | 11 | 3.2 | 3.2 |
| | Des Moines | 20 | 4.2 | 3.8 | Story | 13 | 1.5 | 1.9 |
| | Fayette | 15 | 6.2 | 4.7 | Wapello | 11 | 2.8 | 2.4 |
| | Henry | * | * | * | Washington | 6 | 2.7 | 1.9 |
| | Jackson | 5 | 2.3 | 2 | Webster | 13 | 3.0 | 2.5 |
| | Jasper | 14 | 3.6 | 3.3 | Winneshiek | 6 | 2.6 | 2.5 |
| | | | | | Total | 246 | 2.7 | 2.5 |
| | MSA Counties | Black Hawk | 34 | 2.4 | 2.4 | Polk | 102 | 2.6 |
| Dallas | | 5 | 1.3 | 1.3 | Pottawattamie | 24 | 2.6 | 2.5 |
| Dubuque | | 22 | 2.3 | 2.2 | Scott | 49 | 2.9 | 3.1 |
| Johnson | | 23 | 2.0 | 3.2 | Warren | 10 | 2.4 | 2.5 |
| Linn | | 42 | 2.1 | 2.2 | Woodbury | 30 | 2.7 | 2.6 |
| State Totals | | 868 | 2.8 | 2.6 | Total | 341 | 2.4 | 2.6 |

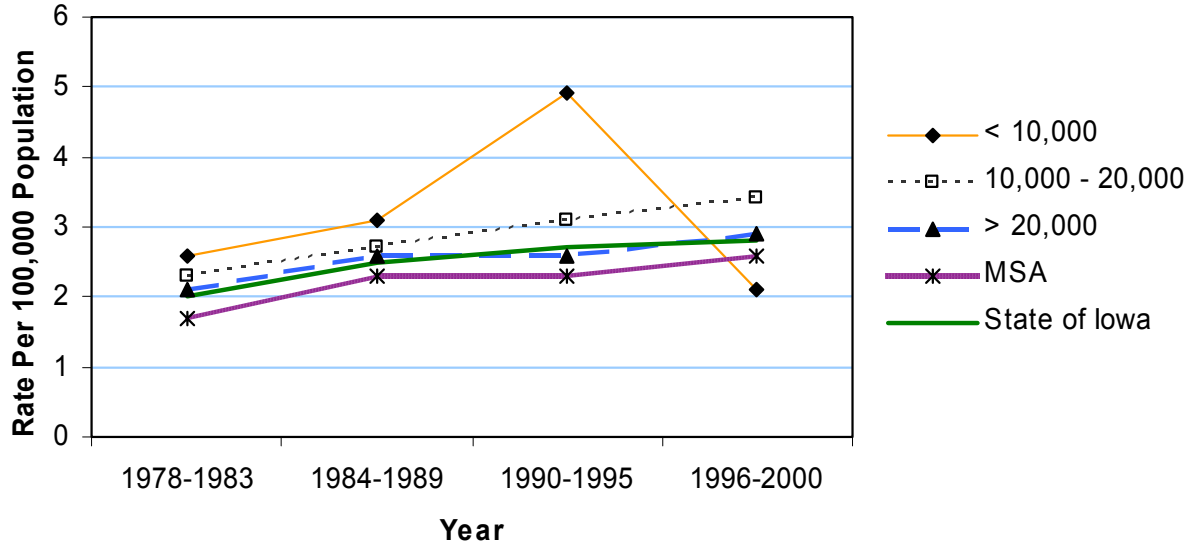
¹Rates per 100,000 population

²Adjusted to Year 2000 population

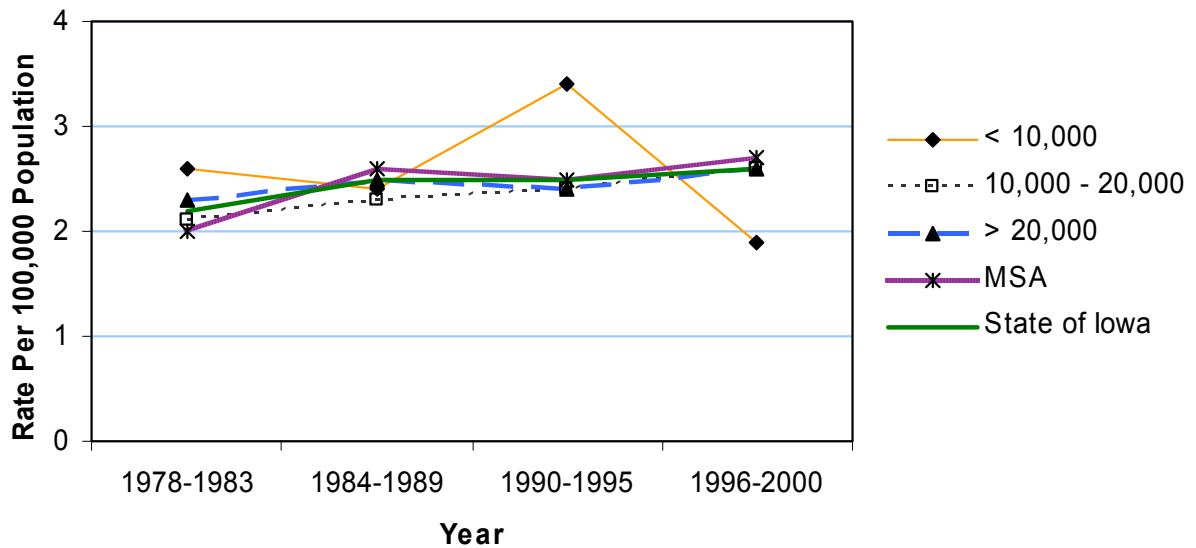
Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

Skin Melanoma Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Oral Cavity (Excluding Lip) Incidence 1990-2000

| | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) | County | # | Crude ¹ (Rank ³) | Adjusted ^{1,2} (Rank ³) |
|--|---|-----------|--|---|---------------|-----------|--|---|
| | Counties with Average Population < 10,000 | Adair | 10 | 10.9 (68) | 8.0 (84) | Lucas | 21 | 20.6 (11) |
| Adams | | 14 | 27.7 (01) | 18.9 (01) | Monroe | 21 | 23.5 (04) | 16.3 (08) |
| Audubon | | 10 | 13.0 (43) | 10.2 (58) | Osceola | 8 | 10.1 (80) | 8.3 (77) |
| Clarke | | 23 | 24.2 (02) | 18.8 (02) | Pocahontas | 12 | 12.0 (53) | 9.2 (66) |
| Davis | | 16 | 17.2 (19) | 14.0 (18) | Ringgold | 13 | 21.8 (08) | 14.1 (17) |
| Decatur | | 17 | 18.4 (17) | 17.7 (05) | Taylor | 15 | 19.4 (15) | 13.2 (23) |
| Fremont | | 11 | 12.3 (50) | 9.4 (65) | Van Buren | 18 | 21.2 (09) | 15.0 (13) |
| Howard | | 12 | 11.0 (64) | 8.9 (69) | Wayne | 17 | 22.3 (06) | 17.3 (06) |
| Ida | | 12 | 13.4 (42) | 8.1 (82) | Worth | 10 | 11.4 (60) | 8.6 (74) |
| | | | | | Total | 260 | 16.8 | 12.5 |
| Counties with Average Population 10,000 to 20,000 | Allamakee | 24 | 15.2 (27) | 11.6 (39) | Humboldt | 13 | 11.2 (61) | 8.7 (72) |
| | Appanoose | 35 | 23.1 (05) | 17.3 (06) | Iowa | 12 | 7.2 (95) | 5.8 (96) |
| | Butler | 25 | 14.6 (30) | 11.7 (37) | Jefferson | 17 | 9.4 (86) | 8.2 (80) |
| | Calhoun | 14 | 11.2 (61) | 7.4 (91) | Keokuk | 25 | 19.8 (14) | 14.6 (16) |
| | Cass | 18 | 10.9 (68) | 8.0 (84) | Kossuth | 30 | 15.3 (25) | 12.7 (28) |
| | Cedar | 18 | 9.2 (88) | 8.0 (84) | Louisa | 10 | 7.6 (93) | 7.0 (93) |
| | Cherokee | 27 | 18.0 (18) | 13.8 (20) | Lyon | 15 | 11.5 (58) | 9.0 (68) |
| | Chickasaw | 11 | 7.6 (93) | 7.7 (90) | Madison | 16 | 11.0 (64) | 9.6 (60) |
| | Clay | 17 | 8.8 (89) | 7.8 (87) | Mills | 15 | 9.9 (82) | 9.5 (62) |
| | Clayton | 46 | 22.1 (07) | 17.8 (04) | Mitchell | 10 | 8.3 (91) | 7.1 (92) |
| | Crawford | 27 | 14.6 (30) | 12.4 (31) | Monona | 17 | 15.4 (24) | 11.8 (35) |
| | Delaware | 11 | 5.5 (97) | 5.3 (97) | Montgomery | 14 | 10.7 (72) | 7.8 (87) |
| | Dickinson | 16 | 9.3 (87) | 6.7 (94) | O'Brien | 26 | 15.3 (25) | 11.5 (42) |
| | Emmet | 16 | 12.8 (47) | 10.8 (52) | Page | 22 | 11.8 (55) | 8.1 (82) |
| | Floyd | 16 | 8.5 (90) | 6.5 (95) | Palo Alto | 12 | 10.5 (73) | 8.5 (75) |
| | Franklin | 6 | 4.9 (98) | 4.7 (98) | Poweshiek | 21 | 10.1 (80) | 8.2 (80) |
| | Greene | 27 | 23.9 (03) | 16.0 (10) | Sac | 18 | 13.7 (36) | 8.9 (69) |
| | Grundy | 22 | 16.4 (21) | 13.2 (23) | Shelby | 6 | 4.1 (99) | 3.0 (99) |
| | Guthrie | 20 | 16.2 (22) | 12.9 (26) | Tama | 25 | 12.7 (48) | 10.5 (54) |
| | Hamilton | 34 | 19.0 (16) | 15.3 (11) | Union | 19 | 13.9 (35) | 11.2 (47) |
| Hancock | 13 | 9.7 (83) | 8.4 (76) | Winnebago | 15 | 11.5 (58) | 8.3 (77) | |
| Hardin | 42 | 20.1 (13) | 14.9 (14) | Wright | 19 | 12.0 (53) | 7.8 (87) | |
| Harrison | 35 | 21.0 (10) | 18.0 (03) | Total | 897 | 12.8 | 10.2 | |
| Counties with Average Population > 20,000 | Benton | 31 | 11.8 (55) | 11.3 (44) | Jones | 30 | 13.6 (39) | 12.5 (30) |
| | Boone | 40 | 14.2 (33) | 12.4 (31) | Lee | 54 | 12.7 (48) | 11.0 (49) |
| | Bremer | 28 | 11.0 (64) | 9.6 (60) | Mahaska | 26 | 10.8 (70) | 9.2 (66) |
| | Buchanan | 36 | 15.5 (23) | 14.7 (15) | Marion | 35 | 10.3 (78) | 9.5 (62) |
| | Buena Vista | 34 | 15.2 (27) | 12.8 (27) | Marshall | 46 | 10.8 (70) | 8.8 (71) |
| | Carroll | 32 | 13.5 (40) | 10.7 (53) | Muscatine | 43 | 9.5 (85) | 9.5 (62) |
| | Cerro Gordo | 67 | 13.0 (43) | 11.0 (49) | Plymouth | 40 | 15.0 (29) | 14.0 (18) |
| | Clinton | 77 | 13.7 (36) | 12.3 (34) | Sioux | 38 | 11.1 (63) | 10.9 (51) |
| | Des Moines | 61 | 13.0 (43) | 11.2 (47) | Story | 53 | 6.3 (96) | 8.3 (77) |
| | Fayette | 35 | 14.4 (32) | 11.6 (39) | Wapello | 81 | 20.4 (12) | 16.1 (09) |
| | Henry | 31 | 14.2 (33) | 13.5 (21) | Washington | 37 | 16.6 (20) | 13.5 (21) |
| | Jackson | 26 | 11.7 (57) | 10.1 (59) | Webster | 60 | 13.7 (36) | 12.4 (31) |
| | Jasper | 41 | 10.4 (77) | 8.7 (72) | Winneshiek | 30 | 12.9 (46) | 11.7 (37) |
| | | | | | Total | 1,112 | 12.4 | 11.2 |
| MSA Counties | Black Hawk | 144 | 10.3 (78) | 10.4 (56) | Polk | 409 | 10.5 (73) | 11.6 (39) |
| | Dallas | 42 | 11.0 (64) | 11.3 (44) | Pottawattamie | 114 | 12.2 (51) | 11.8 (35) |
| | Dubuque | 131 | 13.5 (40) | 13.0 (25) | Scott | 180 | 10.5 (73) | 11.3 (44) |
| | Johnson | 89 | 7.8 (92) | 11.4 (43) | Warren | 41 | 9.7 (83) | 10.5 (54) |
| | Linn | 240 | 12.1 (52) | 12.7 (28) | Woodbury | 118 | 10.5 (73) | 10.4 (56) |
| | State Totals | 3,777 | 12.0 | 11.2 | Total | 1,508 | 10.8 | 11.6 |

¹Rates per 100,000 population

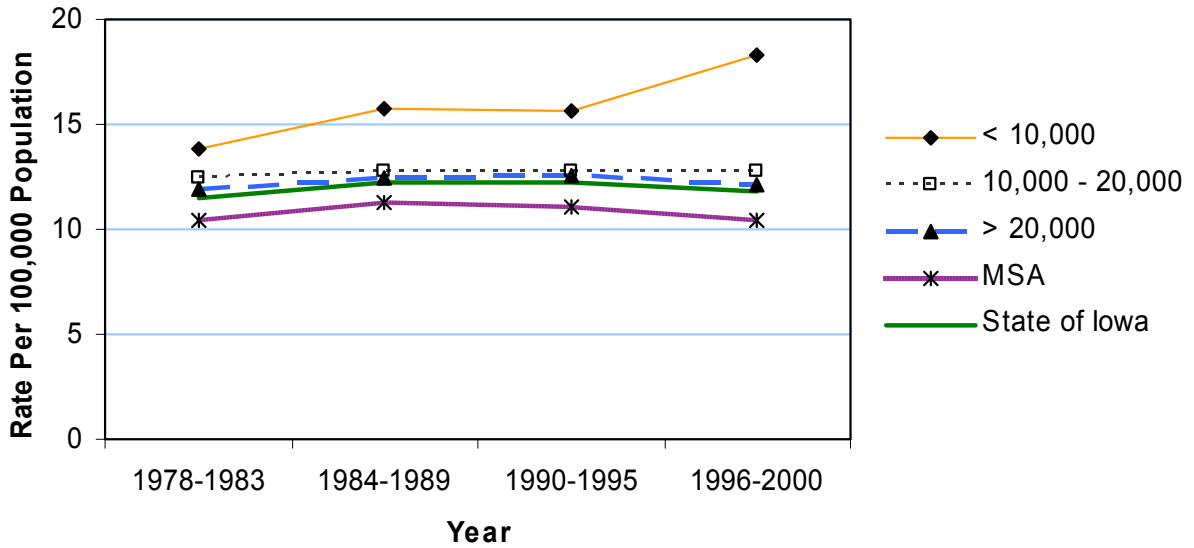
²Adjusted to Year 2000 population

³Rank among 99 Iowa counties

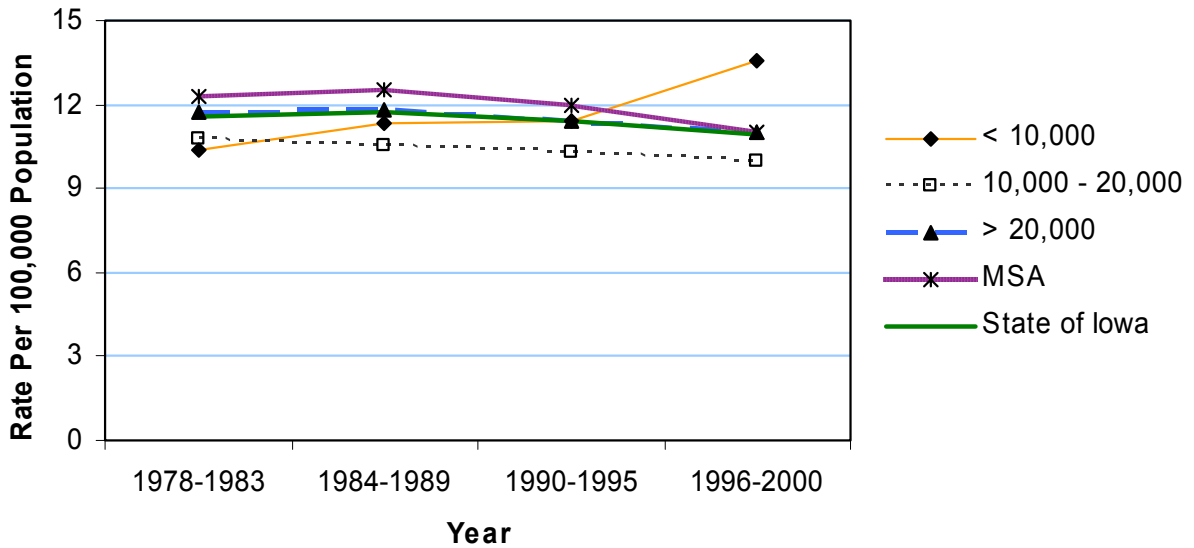
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

Oral Cavity (Excluding Lip) Cancer Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Oral Cavity (Excluding Lip) Mortality 1990-2000

| | | County | # | Crude ¹ | Adjusted ^{1,2} | County | # | Crude ¹ | Adjusted ^{1,2} |
|---|---|---------------------|-----------|--------------------|-------------------------|---------------|----------|--------------------|-------------------------|
| Counties with Average Population < 10,000 | | Adair | 5 | 5.4 | 3.6 | Lucas | * | * | * |
| | | Adams | 5 | 9.9 | 6.8 | Monroe | * | * | * |
| | | Audubon | * | * | * | Osceola | * | * | * |
| | | Clarke | 5 | 5.3 | 4.6 | Pocahontas | * | * | * |
| | | Davis | * | * | * | Ringgold | * | * | * |
| | | Decatur | 5 | 5.4 | 4.2 | Taylor | * | * | * |
| | | Fremont | * | * | * | Van Buren | * | * | * |
| | | Howard | 5 | 4.6 | 3.2 | Wayne | * | * | * |
| | | Ida | 5 | 5.6 | 3.1 | Worth | * | * | * |
| | | | | | | Total | 52 | 3.4 | 2.3 |
| | Counties with Average Population 10,000 to 20,000 | | Allamakee | 6 | 3.8 | 2.5 | Humboldt | 5 | 4.3 |
| | | Appanoose | 5 | 3.3 | 3.2 | Iowa | 6 | 3.6 | 2.7 |
| | | Butler | * | * | * | Jefferson | * | * | * |
| | | Calhoun | * | * | * | Keokuk | 6 | 4.7 | 2.9 |
| | | Cass | * | * | * | Kossuth | 9 | 4.6 | 3.2 |
| | | Cedar | 5 | 2.6 | 1.9 | Louisa | * | * | * |
| | | Cherokee | * | * | * | Lyon | * | * | * |
| | | Chickasaw | * | * | * | Madison | 6 | 4.1 | 3.7 |
| | | Clay | 7 | 3.6 | 2.9 | Mills | 6 | 4.0 | 3.8 |
| | | Clayton | * | * | * | Mitchell | * | * | * |
| | | Crawford | 5 | 2.7 | 2.1 | Monona | 6 | 5.4 | 4 |
| | | Delaware | * | * | * | Montgomery | * | * | * |
| | | Dickinson | 7 | 4.1 | 2.7 | O'Brien | * | * | * |
| | | Emmet | 5 | 4.0 | 3.7 | Page | 6 | 3.2 | 2.2 |
| | | Floyd | * | * | * | Palo Alto | * | * | * |
| | | Franklin | * | * | * | Poweshiek | * | * | * |
| | | Greene | * | * | * | Sac | * | * | * |
| | | Grundy | 5 | 3.7 | 3.2 | Shelby | 8 | 5.5 | 3.7 |
| | | Guthrie | * | * | * | Tama | 6 | 3.1 | 2.4 |
| | | Hamilton | 7 | 3.9 | 3.2 | Union | 5 | 3.7 | 2.7 |
| | Hancock | * | * | * | Winnebago | 6 | 4.6 | 3.3 | |
| | Hardin | 11 | 5.3 | 4.1 | Wright | * | * | * | |
| | Harrison | 5 | 3.0 | 2.6 | Total | 203 | 2.9 | 2.2 | |
| Counties with Average Population > 20,000 | | Benton | 5 | 1.9 | 1.6 | Jones | * | * | * |
| | | Boone | 9 | 3.2 | 2.8 | Lee | 15 | 3.5 | 3.0 |
| | | Bremer | 8 | 3.1 | 2.8 | Mahaska | 6 | 2.5 | 1.9 |
| | | Buchanan | 5 | 2.2 | 1.9 | Marion | 7 | 2.1 | 1.6 |
| | | Buena Vista | * | * | * | Marshall | 13 | 3.0 | 2.3 |
| | | Carroll | 9 | 3.8 | 2.6 | Muscatine | 10 | 2.2 | 2.3 |
| | | Cerro Gordo | 17 | 3.3 | 2.6 | Plymouth | 9 | 3.4 | 2.7 |
| | | Clinton | 17 | 3.0 | 2.6 | Sioux | 7 | 2.0 | 1.9 |
| | | Des Moines | 16 | 3.4 | 2.8 | Story | 15 | 1.8 | 2.2 |
| | | Fayette | 6 | 2.5 | 1.7 | Wapello | 16 | 4.0 | 3.1 |
| | | Henry | 8 | 3.7 | 3.1 | Washington | 7 | 3.1 | 2.4 |
| | | Jackson | * | * | * | Webster | 16 | 3.6 | 2.9 |
| | | Jasper | 9 | 2.3 | 2.0 | Winneshiek | 10 | 4.3 | 3.6 |
| | | | | | | Total | 250 | 2.8 | 2.4 |
| MSA Counties | | Black Hawk | 43 | 3.1 | 3.1 | Polk | 101 | 2.6 | 2.9 |
| | | Dallas | 7 | 1.8 | 1.7 | Pottawattamie | 26 | 2.8 | 2.7 |
| | | Dubuque | 31 | 3.2 | 3.0 | Scott | 55 | 3.2 | 3.5 |
| | | Johnson | 16 | 1.4 | 2.2 | Warren | 7 | 1.7 | 1.8 |
| | | Linn | 60 | 3.0 | 3.2 | Woodbury | 31 | 2.8 | 2.7 |
| | | State Totals | 882 | 2.8 | 2.5 | Total | 377 | 2.7 | 2.9 |

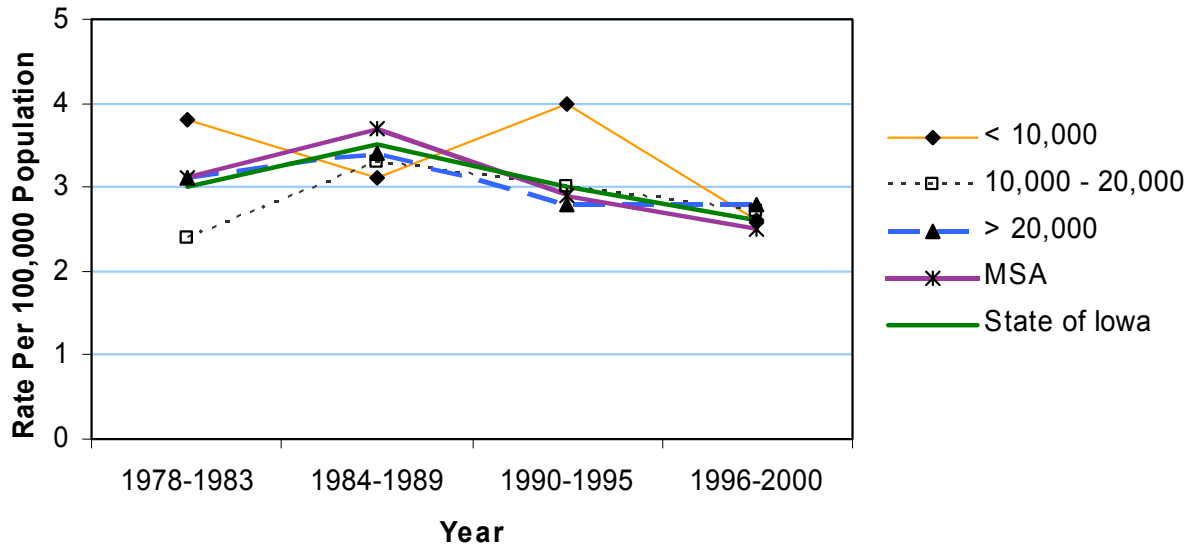
¹Rates per 100,000 population

²Adjusted to Year 2000 population

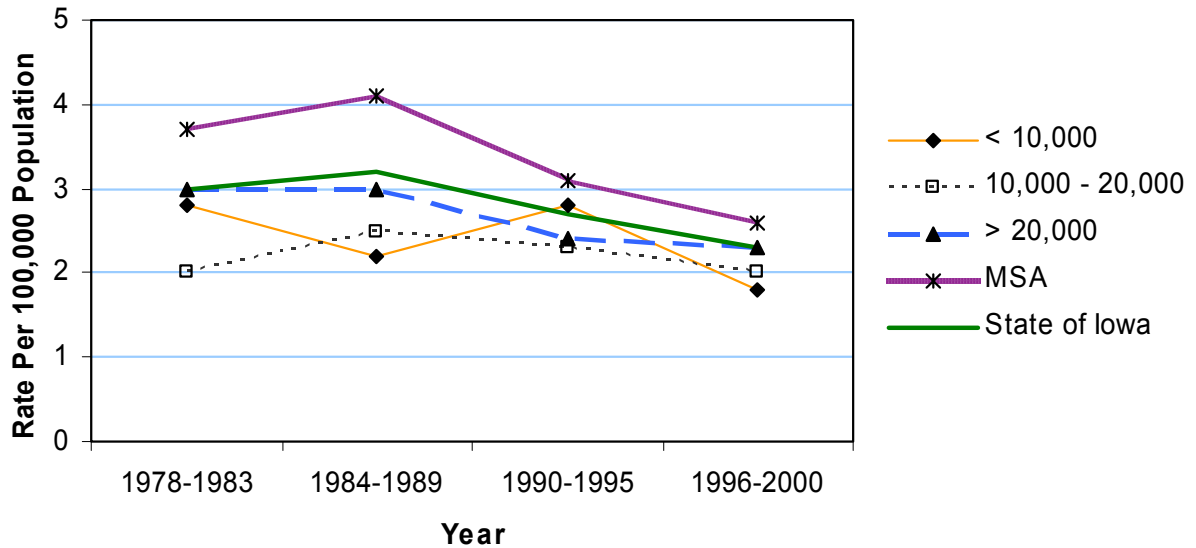
Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

Oral Cavity (Excluding Lip) Cancer Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Cervical Cancer Incidence 1990-2000

| | Average Population < 10,000 | | | | Average Population 10,000 to 20,000 | | | | Average Population > 20,000 | | | | MSA Counties | | | |
|---|---|-----------|--------------------|-------------------------|-------------------------------------|----------|--------------------|-------------------------|-----------------------------|---|--------------------|-------------------------|--------------|---|--------------------|-------------------------|
| | County | # | Crude ¹ | Adjusted ^{1,2} | County | # | Crude ¹ | Adjusted ^{1,2} | County | # | Crude ¹ | Adjusted ^{1,2} | County | # | Crude ¹ | Adjusted ^{1,2} |
| Counties with Average Population < 10,000 | Adair | 7 | 14.8 | 14.8 | Lucas | 5 | 9.5 | 8.6 | | | | | | | | |
| | Adams | * | * | * | Monroe | 6 | 13.0 | 8.9 | | | | | | | | |
| | Audubon | * | * | * | Osceola | 8 | 19.7 | 21.6 | | | | | | | | |
| | Clarke | 7 | 14.2 | 14.4 | Pocahontas | * | * | * | | | | | | | | |
| | Davis | * | * | * | Ringgold | * | * | * | | | | | | | | |
| | Decatur | 10 | 21.0 | 24.3 | Taylor | 5 | 12.4 | 11.7 | | | | | | | | |
| | Fremont | 12 | 25.8 | 26.9 | Van Buren | * | * | * | | | | | | | | |
| | Howard | 5 | 8.9 | 9.3 | Wayne | * | * | * | | | | | | | | |
| | Ida | * | * | * | Worth | 7 | 15.7 | 14.4 | | | | | | | | |
| | | | | | Total | 95 | 11.9 | 11.8 | | | | | | | | |
| | Counties with Average Population 10,000 to 20,000 | Allamakee | 8 | 10.0 | 10.0 | Humboldt | 7 | 11.8 | 9.2 | | | | | | | |
| Appanoose | | 11 | 13.9 | 14.3 | Iowa | * | * | * | | | | | | | | |
| Butler | | * | * | * | Jefferson | 10 | 10.8 | 9.9 | | | | | | | | |
| Calhoun | | * | * | * | Keokuk | * | * | * | | | | | | | | |
| Cass | | 9 | 10.5 | 11.0 | Kossuth | 9 | 9.0 | 9.7 | | | | | | | | |
| Cedar | | 10 | 10.0 | 9.6 | Louisa | 10 | 15.2 | 14.6 | | | | | | | | |
| Cherokee | | 6 | 7.8 | 7.5 | Lyon | * | * | * | | | | | | | | |
| Chickasaw | | 6 | 8.2 | 8.2 | Madison | 6 | 8.1 | 8.5 | | | | | | | | |
| Clay | | 10 | 9.9 | 9.1 | Mills | 6 | 7.9 | 7.8 | | | | | | | | |
| Clayton | | 13 | 12.3 | 13.7 | Mitchell | * | * | * | | | | | | | | |
| Crawford | | 8 | 8.5 | 8.6 | Monona | 5 | 8.7 | 8.3 | | | | | | | | |
| Delaware | | 8 | 7.8 | 7.7 | Montgomery | 8 | 11.6 | 10.1 | | | | | | | | |
| Dickinson | | 9 | 10.1 | 9.8 | O'Brien | 9 | 10.3 | 9.9 | | | | | | | | |
| Emmet | | 9 | 13.9 | 13.8 | Page | 11 | 11.7 | 11.4 | | | | | | | | |
| Floyd | | 8 | 8.2 | 7.3 | Palo Alto | 7 | 11.9 | 9.7 | | | | | | | | |
| Franklin | | * | * | * | Poweshiek | 11 | 10.2 | 9.8 | | | | | | | | |
| Greene | | 6 | 10.3 | 10.1 | Sac | 8 | 11.9 | 11.2 | | | | | | | | |
| Grundy | | 6 | 8.7 | 9.6 | Shelby | 7 | 9.4 | 11.4 | | | | | | | | |
| Guthrie | | 8 | 12.6 | 13.9 | Tama | 6 | 6.0 | 5.6 | | | | | | | | |
| Hamilton | | 10 | 10.9 | 9.7 | Union | 7 | 9.7 | 8.8 | | | | | | | | |
| Hancock | * | * | * | Winnebago | * | * | * | | | | | | | | | |
| Hardin | 13 | 12.1 | 11.3 | Wright | 9 | 10.9 | 10.7 | | | | | | | | | |
| Harrison | 10 | 11.7 | 10.5 | Total | 334 | 9.3 | 9.0 | | | | | | | | | |
| Counties with Average Population > 20,000 | Benton | 13 | 9.8 | 9.8 | Jones | 8 | 7.6 | 6.9 | | | | | | | | |
| | Boone | 16 | 11.0 | 11.7 | Lee | 18 | 8.3 | 7.8 | | | | | | | | |
| | Bremer | 6 | 4.6 | 4.9 | Mahaska | 16 | 13.1 | 13.9 | | | | | | | | |
| | Buchanan | 17 | 14.5 | 15.4 | Marion | 10 | 5.8 | 6.0 | | | | | | | | |
| | Buena Vista | 15 | 13.2 | 13.2 | Marshall | 16 | 7.4 | 7.1 | | | | | | | | |
| | Carroll | 14 | 11.5 | 12.4 | Muscatine | 29 | 12.6 | 12.3 | | | | | | | | |
| | Cerro Gordo | 18 | 6.7 | 6.3 | Plymouth | 5 | 3.7 | 3.5 | | | | | | | | |
| | Clinton | 23 | 7.9 | 8.4 | Sioux | 8 | 4.6 | 5.3 | | | | | | | | |
| | Des Moines | 20 | 8.2 | 7.8 | Story | 24 | 5.9 | 7.0 | | | | | | | | |
| | Fayette | 14 | 11.3 | 11.0 | Wapello | 17 | 8.3 | 7.5 | | | | | | | | |
| | Henry | 13 | 12.0 | 11.8 | Washington | 11 | 9.5 | 9.4 | | | | | | | | |
| | Jackson | 6 | 5.3 | 5.8 | Webster | 28 | 12.4 | 11.1 | | | | | | | | |
| | Jasper | 19 | 9.5 | 9.4 | Winneshiek | 6 | 5.1 | 5.4 | | | | | | | | |
| | | | | | Total | 390 | 8.6 | 8.6 | | | | | | | | |
| MSA Counties | Black Hawk | 68 | 9.3 | 9.7 | Polk | 184 | 9.1 | 9.0 | | | | | | | | |
| | Dallas | 22 | 11.3 | 10.6 | Pottawattamie | 54 | 11.2 | 11.2 | | | | | | | | |
| | Dubuque | 46 | 9.2 | 9.3 | Scott | 86 | 9.8 | 9.8 | | | | | | | | |
| | Johnson | 42 | 7.3 | 8.8 | Warren | 18 | 8.3 | 8.1 | | | | | | | | |
| | Linn | 103 | 10.1 | 9.9 | Woodbury | 63 | 10.9 | 11.1 | | | | | | | | |
| | State Totals | 1,505 | 9.3 | 9.2 | Total | 686 | 9.5 | 9.6 | | | | | | | | |

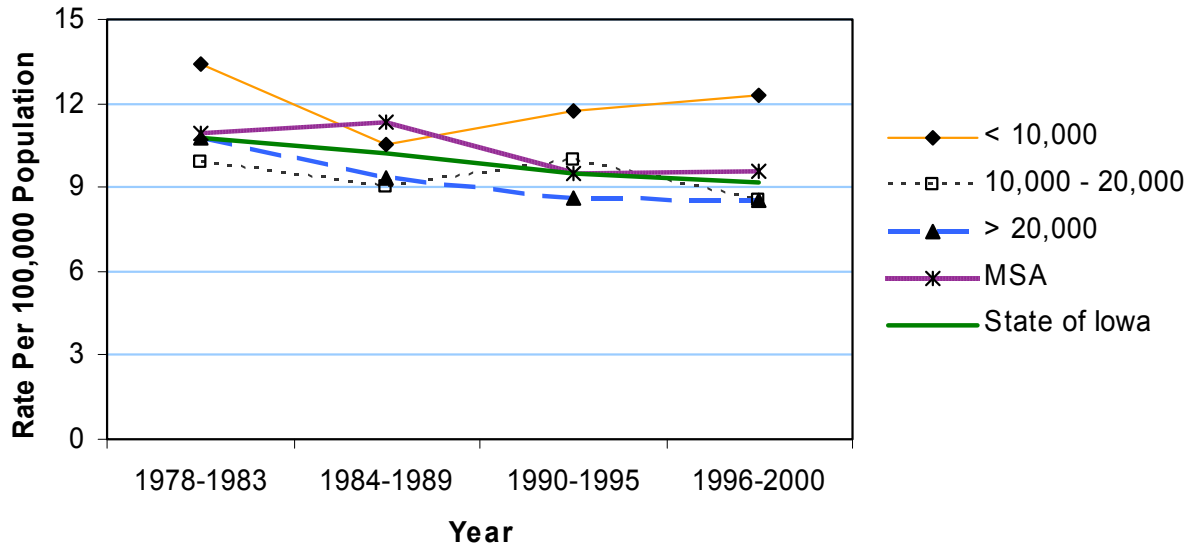
¹Rates per 100,000 population

²Adjusted to Year 2000 population

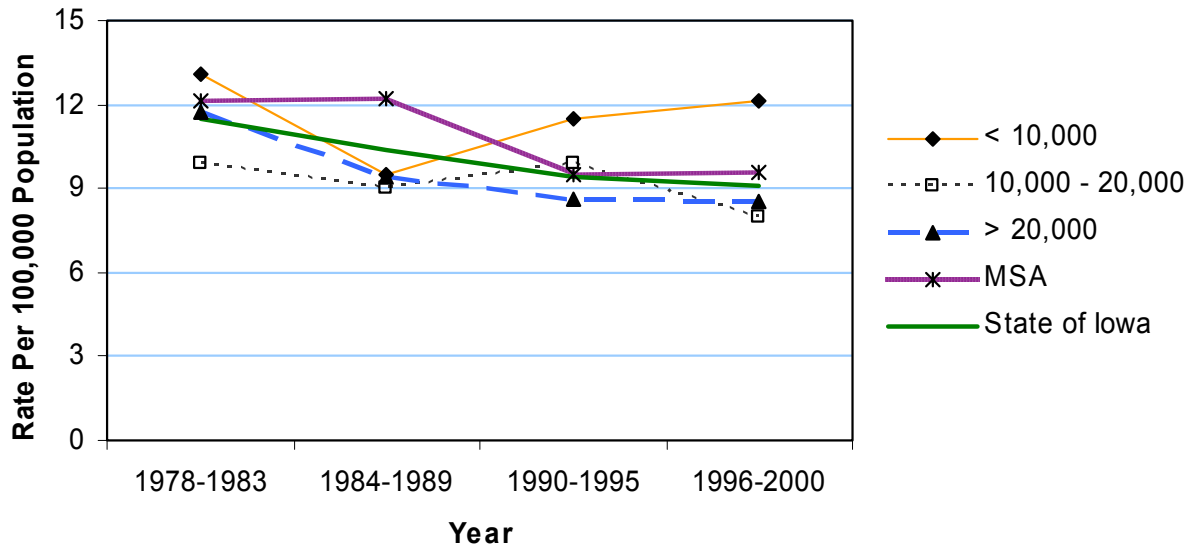
Source: Iowa Cancer Registry via NCI's SEER*Stat Program

Cervical Cancer Incidence by County Group 1978-2000

Crude Rates



Age-Adjusted Rates



Cervical Cancer Mortality 1990-2000

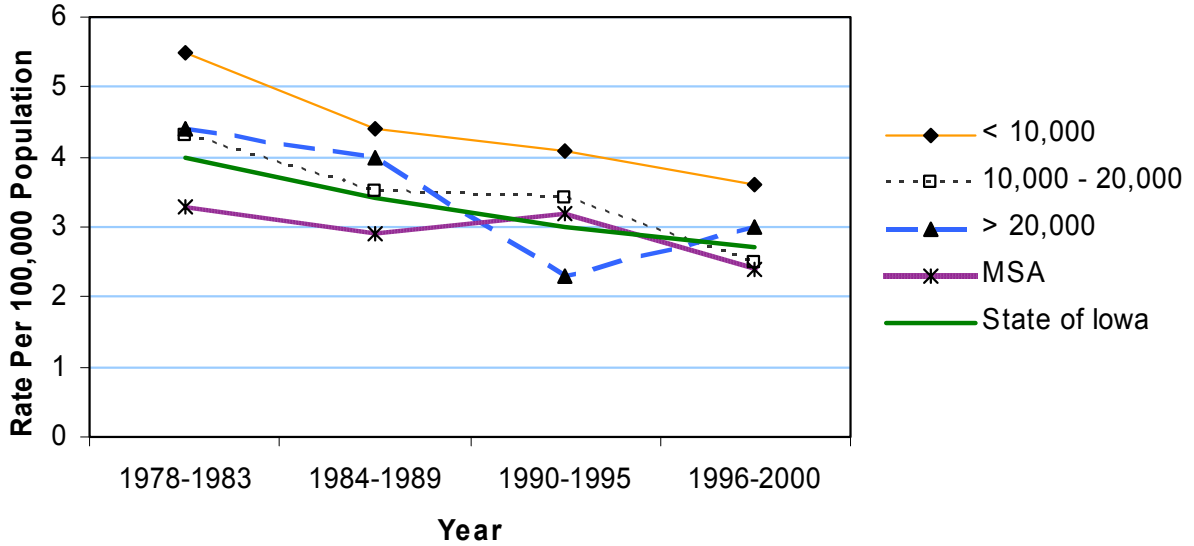
| | Average Population < 10,000 | | | | Average Population 10,000 to 20,000 | | | | Average Population > 20,000 | | | | MSA Counties | | | |
|---|-----------------------------|-----|--------------------|-------------------------|-------------------------------------|-----|--------------------|-------------------------|-----------------------------|---|--------------------|-------------------------|--------------|---|--------------------|-------------------------|
| | County | # | Crude ¹ | Adjusted ^{1,2} | County | # | Crude ¹ | Adjusted ^{1,2} | County | # | Crude ¹ | Adjusted ^{1,2} | County | # | Crude ¹ | Adjusted ^{1,2} |
| Counties with Average Population < 10,000 | Adair | * | * | * | Lucas | * | * | * | | | | | | | | |
| | Adams | * | * | * | Monroe | * | * | * | | | | | | | | |
| | Audubon | * | * | * | Osceola | * | * | * | | | | | | | | |
| | Clarke | * | * | * | Pocahontas | * | * | * | | | | | | | | |
| | Davis | * | * | * | Ringgold | * | * | * | | | | | | | | |
| | Decatur | * | * | * | Taylor | * | * | * | | | | | | | | |
| | Fremont | * | * | * | Van Buren | * | * | * | | | | | | | | |
| | Howard | * | * | * | Wayne | * | * | * | | | | | | | | |
| | Ida | * | * | * | Worth | * | * | * | | | | | | | | |
| | | | | | Total | 31 | 3.9 | 3.0 | | | | | | | | |
| Counties with Average Population 10,000 to 20,000 | Allamakee | * | * | * | Humboldt | * | * | * | | | | | | | | |
| | Appanoose | 6 | 7.6 | 7 | Iowa | * | * | * | | | | | | | | |
| | Butler | * | * | * | Jefferson | * | * | * | | | | | | | | |
| | Calhoun | * | * | * | Keokuk | * | * | * | | | | | | | | |
| | Cass | * | * | * | Kossuth | * | * | * | | | | | | | | |
| | Cedar | * | * | * | Louisa | * | * | * | | | | | | | | |
| | Cherokee | * | * | * | Lyon | * | * | * | | | | | | | | |
| | Chickasaw | * | * | * | Madison | * | * | * | | | | | | | | |
| | Clay | * | * | * | Mills | * | * | * | | | | | | | | |
| | Clayton | * | * | * | Mitchell | * | * | * | | | | | | | | |
| | Crawford | * | * | * | Monona | * | * | * | | | | | | | | |
| | Delaware | * | * | * | Montgomery | * | * | * | | | | | | | | |
| | Dickinson | * | * | * | O'Brien | * | * | * | | | | | | | | |
| | Emmet | * | * | * | Page | * | * | * | | | | | | | | |
| | Floyd | * | * | * | Palo Alto | * | * | * | | | | | | | | |
| | Franklin | * | * | * | Poweshiek | * | * | * | | | | | | | | |
| | Greene | * | * | * | Sac | * | * | * | | | | | | | | |
| | Grundy | * | * | * | Shelby | * | * | * | | | | | | | | |
| | Guthrie | * | * | * | Tama | * | * | * | | | | | | | | |
| | Hamilton | * | * | * | Union | * | * | * | | | | | | | | |
| Hancock | * | * | * | Winnebago | * | * | * | | | | | | | | | |
| Hardin | * | * | * | Wright | 6 | 7.3 | 5.1 | | | | | | | | | |
| Harrison | * | * | * | Total | 107 | 3.0 | 2.6 | | | | | | | | | |
| Counties with Average Population > 20,000 | Benton | * | * | * | Jones | * | * | * | | | | | | | | |
| | Boone | 7 | 4.8 | 5 | Lee | * | * | * | | | | | | | | |
| | Bremer | * | * | * | Mahaska | 7 | 5.7 | 6 | | | | | | | | |
| | Buchanan | * | * | * | Marion | * | * | * | | | | | | | | |
| | Buena Vista | 7 | 6.1 | 5.4 | Marshall | 6 | 2.8 | 2.3 | | | | | | | | |
| | Carroll | * | * | * | Muscatine | 12 | 5.2 | 4.7 | | | | | | | | |
| | Cerro Gordo | 7 | 2.6 | 2.4 | Plymouth | * | * | * | | | | | | | | |
| | Clinton | 6 | 2.1 | 1.7 | Sioux | * | * | * | | | | | | | | |
| | Des Moines | 9 | 3.7 | 3 | Story | 6 | 1.5 | 1.7 | | | | | | | | |
| | Fayette | 5 | 4.0 | 3.7 | Wapello | 7 | 3.4 | 2.7 | | | | | | | | |
| | Henry | * | * | * | Washington | * | * | * | | | | | | | | |
| | Jackson | 5 | 4.4 | 4.8 | Webster | 5 | 2.2 | 1.7 | | | | | | | | |
| | Jasper | * | * | * | Winneshiek | * | * | * | | | | | | | | |
| | | | | | Total | 120 | 2.6 | 2.4 | | | | | | | | |
| MSA Counties | Black Hawk | 20 | 2.7 | 2.7 | Polk | 45 | 2.2 | 2.3 | | | | | | | | |
| | Dallas | 8 | 4.1 | 4 | Pottawattamie | 17 | 3.5 | 3.3 | | | | | | | | |
| | Dubuque | 15 | 3.0 | 2.9 | Scott | 38 | 4.3 | 4.3 | | | | | | | | |
| | Johnson | 8 | 1.4 | 1.9 | Warren | * | * | * | | | | | | | | |
| | Linn | 23 | 2.3 | 2.2 | Woodbury | 25 | 4.3 | 3.8 | | | | | | | | |
| | State Totals | 461 | 2.9 | 2.6 | Total | 203 | 2.8 | 2.8 | | | | | | | | |

¹Rates per 100,000 population
²Adjusted to Year 2000 population

Source: Iowa Department of Public Health via NCHS and NCI's SEER*Stat Program

Cervical Cancer Mortality by County Group 1978-2000

Crude Rates



Age-Adjusted Rates

