

# **1999 Cancer Incidence Report**

## **Maine Cancer Registry**

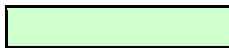


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**Commissioner John R. Nicholas  
March 2004**

**1999 Age-Adjusted Cancer Incidence Rates per 100,000 (2000 US Population) in Maine**

| Cancer Type      | Both Sexes |       |          |          |             |
|------------------|------------|-------|----------|----------|-------------|
|                  | Count      | AAR   | Lower CI | Upper CI | SEER Whites |
| All Sites        | 6636       | 471.6 | 460.3    | 483.2    | 489.0       |
| Breast           | 968        | 69.0  | 64.7     | 73.6     | 78.4        |
| Lung             | 1009       | 71.1  | 66.8     | 75.7     | 65.4        |
| Colorectal       | 861        | 60.6  | 56.6     | 64.9     | 54.6        |
| Melanoma         | 249        | 18.0  | 15.8     | 20.4     | 20.7        |
| Oropharyngeal    | 153        | 10.8  | 9.2      | 12.7     | 10.3        |
| Esophageal       | 76         | 5.3   | 4.2      | 6.8      | 4.9         |
| Stomach          | 93         | 6.5   | 5.3      | 8.1      | 7.3         |
| Liver            | 61         | 4.4   | 3.3      | 5.7      | 4.7         |
| Pancreas         | 156        | 10.9  | 9.3      | 12.9     | 10.6        |
| Larynx           | 61         | 4.3   | 3.3      | 5.6      | 4.1         |
| Bladder          | 372        | 26.3  | 23.6     | 29.1     | 23.3        |
| Kidney           | 169        | 12.1  | 10.3     | 14.1     | 11.5        |
| Brain & CNS      | 94         | 7.0   | 5.6      | 8.6      | 7.5         |
| Thyroid          | 60         | 4.5   | 3.4      | 5.9      | 7.4         |
| Hodgkin's        | 37         | 2.9   | 2.0      | 4.1      | 3.0         |
| NHL              | 237        | 16.9  | 14.8     | 19.3     | 20.2        |
| Multiple Myeloma | 85         | 6.0   | 4.8      | 7.5      | 4.9         |
| Leukemia         | 154        | 11.3  | 9.6      | 13.3     | 12.3        |



Maine rates are significantly lower than the SEER White rates.



Maine rates are significantly higher than the SEER White rates.

Note: All rates are calculated per 100,000 and age-adjusted to the 2000 US Population Standard.

SEER: Surveillance, Epidemiology, and End Results (national comparison)

AAR: Age Adjusted Rate

CI: 95% Confidence Interval

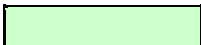
Produced by: Maine Cancer Registry

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March 2004

**1999 Age-Adjusted Cancer Incidence Rates per 100,000 (2000 US Population) in Maine**

| Cancer Type      | Males |       |          |          |             |
|------------------|-------|-------|----------|----------|-------------|
|                  | Count | AAR   | Lower CI | Upper CI | SEER Whites |
| All Sites        | 3417  | 554.0 | 535.4    | 573.3    | 567.8       |
| Breast           | 12    | 1.9   | 1.0      | 3.6      | 1.1         |
| Lung             | 581   | 93.3  | 85.8     | 101.5    | 82.1        |
| Prostate         | 981   | 157.8 | 148.0    | 168.2    | 167.5       |
| Colorectal       | 430   | 71.1  | 64.4     | 78.4     | 64.9        |
| Melanoma         | 131   | 21.5  | 17.9     | 25.8     | 25.5        |
| Oropharyngeal    | 101   | 15.8  | 12.9     | 19.5     | 15.2        |
| Esophageal       | 57    | 9.3   | 7.0      | 12.3     | 8.4         |
| Stomach          | 62    | 10.0  | 7.7      | 13.1     | 10.5        |
| Liver            | 47    | 7.6   | 5.6      | 10.3     | 7.1         |
| Pancreas         | 79    | 12.7  | 10.1     | 16.1     | 12.1        |
| Larynx           | 42    | 6.7   | 4.8      | 9.3      | 6.9         |
| Testicular       | 33    | 5.4   | 3.7      | 7.8      | 6.3         |
| Bladder          | 269   | 44.5  | 39.3     | 50.4     | 40.9        |
| Kidney           | 109   | 17.3  | 14.2     | 21.1     | 15.9        |
| Brain & CNS      | 54    | 8.6   | 6.4      | 11.4     | 9.1         |
| Thyroid          | 12    | 1.8   | 0.9      | 3.4      | 4.0         |
| Hodgkin's        | 24    | 4.0   | 2.5      | 6.2      | 3.2         |
| NHL              | 123   | 19.9  | 16.5     | 24.0     | 24.7        |
| Multiple Myeloma | 50    | 8.1   | 6.0      | 10.9     | 6.3         |
| Leukemia         | 90    | 15.0  | 12.0     | 18.7     | 16.3        |



Maine rates are significantly lower than the SEER White rates.



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Note: Standard.

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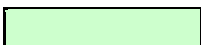
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**1999 Age-Adjusted Cancer Incidence Rates per 100,000 (2000 US Population) in Maine**

| Cancer Type      | Females |       |          |          |             |
|------------------|---------|-------|----------|----------|-------------|
|                  | Count   | AAR   | Lower CI | Upper CI | SEER Whites |
| All Sites        | 3217    | 416.9 | 402.5    | 431.9    | 438.1       |
| Breast           | 956     | 126.0 | 118.1    | 134.4    | 144.7       |
| Lung             | 428     | 54.6  | 49.5     | 60.2     | 53.7        |
| Colorectal       | 431     | 53.0  | 48.1     | 58.4     | 46.8        |
| Melanoma         | 118     | 16.2  | 13.4     | 19.5     | 17.4        |
| Cervical         | 54      | 7.5   | 5.6      | 10.0     | 7.6         |
| Oropharyngeal    | 52      | 6.8   | 5.1      | 9.1      | 6.2         |
| Esophageal       | 19      | 2.1   | 1.3      | 3.5      | 2.0         |
| Stomach          | 31      | 3.8   | 2.6      | 5.6      | 5.0         |
| Liver            | 14      | 1.8   | 1.0      | 3.2      | 2.6         |
| Pancreas         | 77      | 9.3   | 7.3      | 11.8     | 9.2         |
| Larynx           | 19      | 2.5   | 1.5      | 4.1      | 1.8         |
| Uterine          | 208     | 27.7  | 24.1     | 31.9     | 26.6        |
| Ovarian          | 116     | 15.5  | 12.7     | 18.7     | 18.2        |
| Bladder          | 103     | 12.7  | 10.4     | 15.6     | 10.5        |
| Kidney           | 60      | 8.0   | 6.0      | 10.4     | 7.9         |
| Brain & CNS      | 40      | 5.7   | 4.0      | 7.9      | 6.2         |
| Thyroid          | 48      | 7.0   | 5.1      | 9.4      | 10.7        |
| Hodgkin's        | 13      | 2.0   | 1.1      | 3.6      | 3.0         |
| NHL              | 112     | 14.5  | 11.9     | 17.7     | 16.7        |
| Multiple Myeloma | 35      | 4.4   | 3.0      | 6.2      | 3.8         |
| Leukemia         | 64      | 8.6   | 6.6      | 11.2     | 9.2         |



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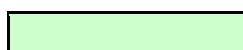
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**ALL CANCERS, 1999**

| County       | Both Sexes |       |          |          | Males |       |          |          | Females |       |          |          |
|--------------|------------|-------|----------|----------|-------|-------|----------|----------|---------|-------|----------|----------|
|              | Count      | AAR   | Lower CI | Upper CI | Count | AAR   | Lower CI | Upper CI | Count   | AAR   | Lower CI | Upper CI |
| Androscoggin | 523        | 466.5 | 427.3    | 509.3    | 256   | 537.6 | 473.3    | 610.3    | 267     | 427.3 | 376.7    | 484.5    |
| Aroostook    | 421        | 453.2 | 410.6    | 500.2    | 237   | 568.4 | 497.4    | 649.2    | 184     | 374.7 | 321.5    | 436.3    |
| Cumberland   | 1323       | 482.2 | 456.5    | 509.3    | 647   | 558.2 | 515.6    | 604.3    | 675     | 437.6 | 404.9    | 472.9    |
| Franklin     | 137        | 426.6 | 357.8    | 507.9    | 77    | 553.4 | 433.4    | 704.2    | 60      | 346.8 | 263.4    | 454.5    |
| Hancock      | 311        | 500.4 | 446.1    | 561.2    | 152   | 564.9 | 476.9    | 668.4    | 159     | 476.3 | 404.1    | 560.9    |
| Kennebec     | 640        | 496.9 | 459.1    | 537.8    | 343   | 608.0 | 544.6    | 678.6    | 297     | 415.5 | 369.2    | 467.4    |
| Knox         | 233        | 470.2 | 411.2    | 537.4    | 116   | 527.0 | 435.0    | 637.5    | 117     | 433.3 | 356.4    | 525.9    |
| Lincoln      | 226        | 503.7 | 439.6    | 576.6    | 122   | 592.8 | 491.2    | 714.3    | 104     | 452.4 | 368.1    | 554.9    |
| Oxford       | 306        | 465.3 | 414.3    | 522.4    | 169   | 557.3 | 475.6    | 652.5    | 136     | 384.6 | 321.6    | 459.2    |
| Penobscot    | 754        | 505.3 | 469.7    | 543.4    | 349   | 533.3 | 477.4    | 595.4    | 405     | 492.3 | 445.3    | 544.1    |
| Piscataquis  | 116        | 514.3 | 424.2    | 622.5    | 59    | 575.6 | 436.5    | 755.4    | 57      | 458.4 | 344.2    | 607.3    |
| Sagadahoc    | 164        | 465.2 | 396.4    | 545.5    | 90    | 594.4 | 475.4    | 741.3    | 74      | 380.0 | 297.5    | 483.6    |
| Somerset     | 311        | 550.0 | 490.4    | 616.7    | 167   | 675.6 | 574.8    | 793.2    | 144     | 471.9 | 397.4    | 559.8    |
| Waldo        | 183        | 464.2 | 399.0    | 539.6    | 103   | 570.2 | 463.2    | 700.6    | 80      | 384.5 | 304.5    | 484.3    |
| Washington   | 234        | 548.0 | 479.3    | 626.1    | 143   | 726.9 | 611.3    | 863.2    | 91      | 393.7 | 315.3    | 490.5    |
| York         | 750        | 379.6 | 352.9    | 408.3    | 383   | 439.1 | 395.6    | 487.4    | 367     | 338.3 | 304.4    | 375.8    |
| Maine        | 6636       | 471.6 | 460.3    | 483.2    | 3417  | 554.0 | 535.4    | 573.3    | 3217    | 416.9 | 402.5    | 431.9    |

 County rates are significantly lower than the Maine rates.

 County rates are significantly higher than the Maine rates.

Note: All rates are calculated per 100,000 and age-adjusted to the 2000 US Population Standard.

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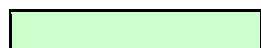
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### FEMALE BREAST CANCER, 1999

| County       | Females |       |          |          |
|--------------|---------|-------|----------|----------|
|              | Count   | AAR   | Lower CI | Upper CI |
| Androscoggin | 74      | 120.8 | 94.4     | 154.2    |
| Aroostook    | 58      | 118.9 | 89.8     | 156.6    |
| Cumberland   | 219     | 147.5 | 128.5    | 169.2    |
| Franklin     | 15      | 86.0  | 47.5     | 149.9    |
| Hancock      | 48      | 148.4 | 108.9    | 201.0    |
| Kennebec     | 97      | 136.0 | 110.1    | 167.7    |
| Knox         | 31      | 120.3 | 80.5     | 177.3    |
| Lincoln      | 27      | 118.2 | 77.2     | 178.2    |
| Oxford       | 37      | 106.0 | 74.1     | 150.1    |
| Penobscot    | 118     | 144.2 | 119.3    | 174.1    |
| Piscataquis  | 17      | 134.3 | 77.2     | 226.3    |
| Sagadahoc    | 20      | 101.6 | 61.6     | 163.5    |
| Somerset     | 43      | 144.6 | 104.3    | 198.9    |
| Waldo        | 24      | 113.3 | 72.3     | 174.4    |
| Washington   | 29      | 126.5 | 83.8     | 188.1    |
| York         | 100     | 92.1  | 74.8     | 113.1    |
| Maine        | 956     | 126.0 | 118.1    | 134.4    |

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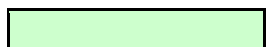
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**PROSTATE CANCER, 1999**

| County       | Males |       |          |          |
|--------------|-------|-------|----------|----------|
|              | Count | AAR   | Lower CI | Upper CI |
| Androscoggin | 73    | 157.7 | 123.3    | 201.1    |
| Aroostook    | 85    | 199.9 | 159.1    | 250.4    |
| Cumberland   | 186   | 156.9 | 135.0    | 182.1    |
| Franklin     | 26    | 178.2 | 115.6    | 270.1    |
| Hancock      | 41    | 150.5 | 107.2    | 209.4    |
| Kennebec     | 112   | 198.6 | 163.1    | 241.4    |
| Knox         | 26    | 114.3 | 74.4     | 172.9    |
| Lincoln      | 41    | 193.1 | 138.1    | 268.0    |
| Oxford       | 62    | 200.1 | 152.9    | 260.8    |
| Penobscot    | 87    | 134.9 | 107.3    | 169.1    |
| Piscataquis  | 11    | 102.0 | 50.1     | 195.4    |
| Sagadahoc    | 24    | 165.7 | 104.7    | 257.2    |
| Somerset     | 50    | 198.0 | 145.8    | 267.3    |
| Waldo        | 29    | 165.8 | 109.7    | 246.9    |
| Washington   | 32    | 161.9 | 110.1    | 235.3    |
| York         | 96    | 109.9 | 88.7     | 136.0    |
| Maine        | 981   | 157.8 | 148.0    | 168.2    |

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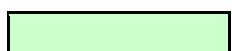
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**LUNG CANCER, 1999**

| County       | Both Sexes |      |          |          | Males |       |          |          | Females |      |          |          |
|--------------|------------|------|----------|----------|-------|-------|----------|----------|---------|------|----------|----------|
|              | Count      | AAR  | Lower CI | Upper CI | Count | AAR   | Lower CI | Upper CI | Count   | AAR  | Lower CI | Upper CI |
| Androscoggin | 88         | 77.9 | 62.4     | 97.0     | 51    | 105.9 | 78.6     | 141.8    | 37      | 56.6 | 39.5     | 80.4     |
| Aroostook    | 55         | 56.7 | 42.6     | 75.0     | 35    | 81.8  | 56.6     | 116.9    | 20      | 38.9 | 23.6     | 62.6     |
| Cumberland   | 189        | 69.1 | 59.5     | 80.0     | 102   | 88.4  | 71.9     | 108.4    | 87      | 55.7 | 44.5     | 69.6     |
| Franklin     | 15         | 45.1 | 25.0     | 78.2     | 7     | 47.6  | 18.4     | 108.2    | 8       | 43.7 | 18.4     | 94.0     |
| Hancock      | 52         | 82.0 | 61.1     | 109.4    | 28    | 101.5 | 66.7     | 152.3    | 24      | 71.4 | 45.6     | 109.9    |
| Kennebec     | 87         | 67.3 | 53.8     | 83.8     | 56    | 97.1  | 73.2     | 128.2    | 31      | 44.3 | 30.0     | 64.6     |
| Knox         | 38         | 75.5 | 53.2     | 106.2    | 19    | 86.9  | 52.0     | 141.6    | 19      | 64.5 | 38.3     | 105.7    |
| Lincoln      | 36         | 77.5 | 54.1     | 109.8    | 20    | 97.5  | 59.1     | 156.9    | 16      | 62.9 | 35.5     | 107.5    |
| Oxford       | 52         | 77.6 | 57.8     | 103.4    | 29    | 95.6  | 63.6     | 141.7    | 23      | 63.7 | 40.0     | 99.3     |
| Penobscot    | 117        | 78.4 | 64.8     | 94.8     | 61    | 93.0  | 70.6     | 122.0    | 56      | 68.0 | 51.3     | 89.7     |
| Piscataquis  | 21         | 91.4 | 56.3     | 145.2    | 15    | 146.1 | 80.8     | 254.2    | 6       | 43.3 | 15.2     | 105.2    |
| Sagadahoc    | 25         | 70.6 | 45.5     | 107.8    | 15    | 90.6  | 50.0     | 158.1    | 10      | 51.3 | 24.2     | 101.5    |
| Somerset     | 42         | 73.9 | 53.1     | 101.9    | 30    | 133.3 | 88.5     | 197.8    | 12      | 39.8 | 20.3     | 73.8     |
| Waldo        | 27         | 66.5 | 43.7     | 99.9     | 15    | 76.9  | 42.6     | 133.9    | 12      | 59.4 | 30.3     | 110.3    |
| Washington   | 41         | 93.6 | 66.9     | 129.7    | 32    | 153.5 | 104.6    | 222.5    | 9       | 39.1 | 17.5     | 80.4     |
| York         | 124        | 62.7 | 52.1     | 75.3     | 66    | 75.2  | 57.9     | 97.2     | 58      | 52.9 | 40.1     | 69.5     |
| Maine        | 1009       | 71.1 | 66.8     | 75.7     | 581   | 93.3  | 85.8     | 101.5    | 428     | 54.6 | 49.5     | 60.2     |

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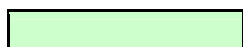
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**COLORECTAL CANCER, 1999**

| County       | Both Sexes |      |          |          | Males |       |          |          | Females |      |          |          |
|--------------|------------|------|----------|----------|-------|-------|----------|----------|---------|------|----------|----------|
|              | Count      | AAR  | Lower CI | Upper CI | Count | AAR   | Lower CI | Upper CI | Count   | AAR  | Lower CI | Upper CI |
| Androscoggin | 60         | 52.3 | 39.8     | 68.3     | 27    | 58.3  | 38.2     | 87.6     | 33      | 50.2 | 34.3     | 72.6     |
| Aroostook    | 64         | 67.5 | 51.9     | 87.4     | 34    | 84.1  | 57.8     | 121.1    | 30      | 58.3 | 39.0     | 86.0     |
| Cumberland   | 179        | 64.2 | 55.1     | 74.7     | 92    | 81.2  | 65.3     | 100.9    | 87      | 52.4 | 41.8     | 65.5     |
| Franklin     | 22         | 67.9 | 42.3     | 106.6    | 11    | 81.0  | 38.9     | 157.6    | 11      | 61.6 | 30.3     | 117.6    |
| Hancock      | 36         | 57.0 | 39.8     | 80.8     | 15    | 54.5  | 30.0     | 95.3     | 21      | 57.2 | 35.0     | 91.2     |
| Kennebec     | 82         | 63.4 | 50.4     | 79.6     | 38    | 70.1  | 49.1     | 99.0     | 44      | 59.0 | 42.6     | 81.0     |
| Knox         | 27         | 51.4 | 33.7     | 77.1     | 13    | 59.0  | 31.1     | 106.9    | 14      | 48.5 | 26.2     | 86.1     |
| Lincoln      | 25         | 54.9 | 35.4     | 83.8     | 12    | 56.6  | 28.9     | 105.2    | 13      | 51.5 | 27.0     | 93.5     |
| Oxford       | 34         | 51.3 | 35.4     | 73.5     | 19    | 63.0  | 37.7     | 102.6    | 15      | 36.5 | 20.2     | 63.4     |
| Penobscot    | 95         | 63.9 | 51.7     | 78.9     | 38    | 60.2  | 42.1     | 85.4     | 57      | 68.0 | 51.4     | 89.5     |
| Piscataquis  | 15         | 64.1 | 35.6     | 111.2    | 7     | 69.6  | 27.0     | 158.7    | 8       | 59.4 | 24.7     | 128.6    |
| Sagadahoc    | 21         | 61.5 | 37.8     | 97.6     | 12    | 80.7  | 40.8     | 151.0    | 9       | 46.1 | 20.7     | 94.5     |
| Somerset     | 46         | 81.0 | 59.2     | 110.1    | 19    | 75.7  | 45.2     | 123.6    | 27      | 87.3 | 57.3     | 131.0    |
| Waldo        | 31         | 80.0 | 54.1     | 116.9    | 20    | 112.7 | 67.2     | 183.9    | 11      | 54.0 | 26.5     | 103.5    |
| Washington   | 41         | 92.4 | 66.1     | 128.1    | 25    | 121.8 | 78.4     | 185.9    | 16      | 63.3 | 35.6     | 108.6    |
| York         | 83         | 41.9 | 33.3     | 52.4     | 48    | 55.8  | 40.7     | 75.8     | 35      | 31.0 | 21.5     | 44.2     |
| Maine        | 861        | 60.6 | 56.6     | 64.9     | 430   | 71.1  | 64.4     | 78.4     | 431     | 53.0 | 48.1     | 58.4     |

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