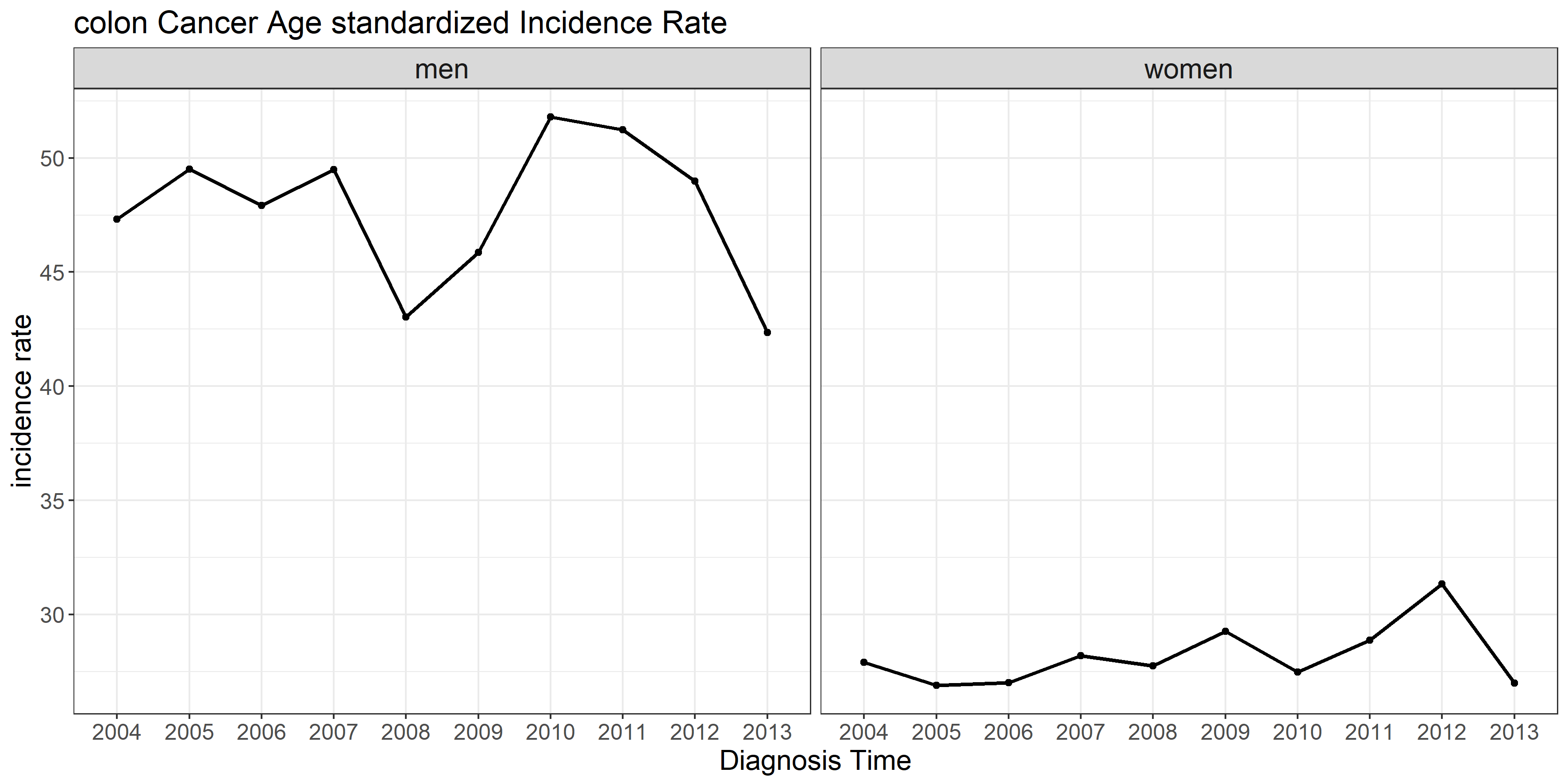
Argos\_document

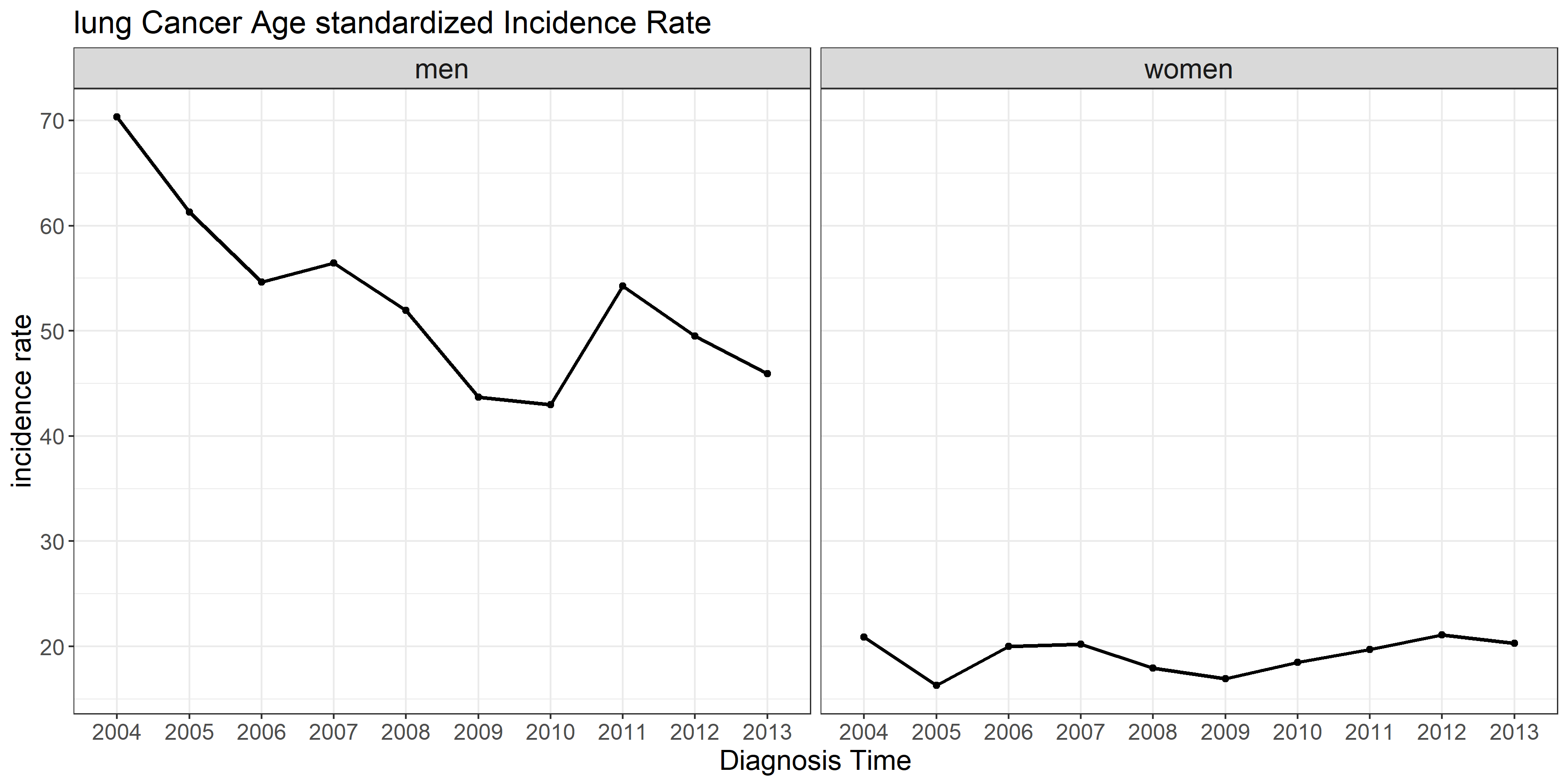
Cancer epidemiology

# **Incidence Rate**

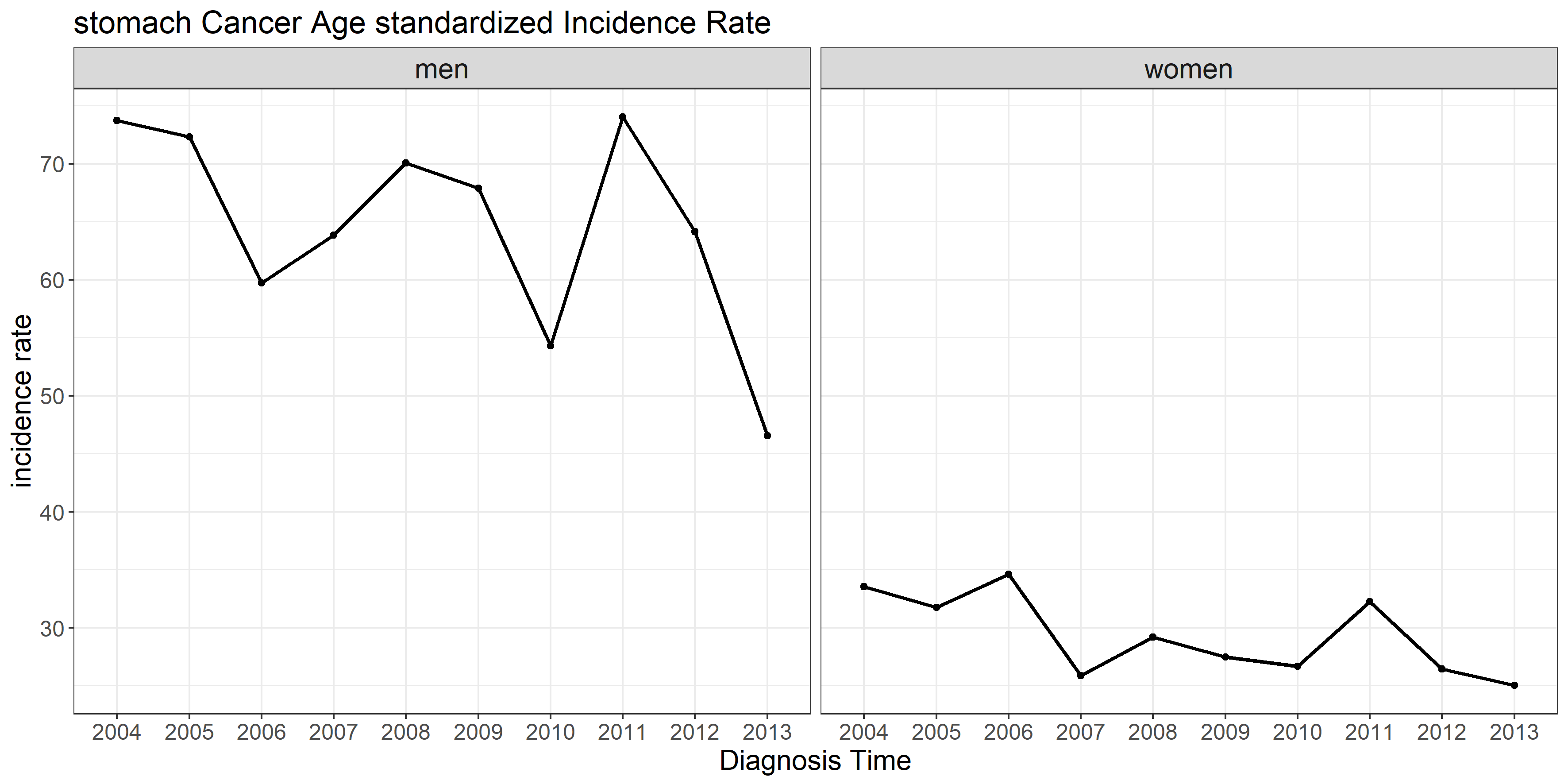
### Age Adjusted Incidence Rate according to Diagnosis Year

1. colon cancer 

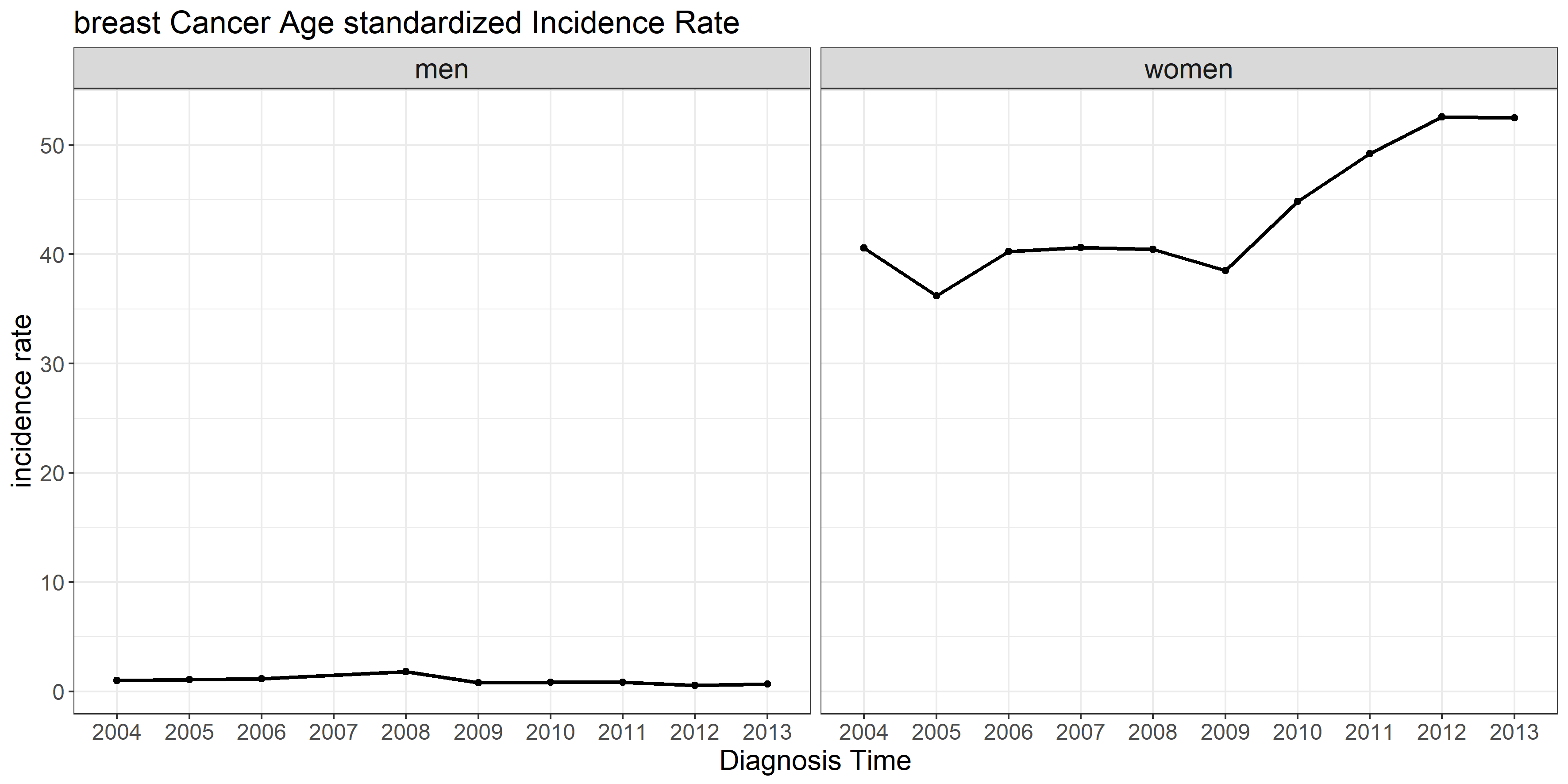
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | slope | p\_value | APC |
| men | 47.318 | 49.506 | 47.928 | 49.488 | 43.036 | 45.871 | 51.800 | 51.241 | 48.979 | 42.347 | -0.003 | 0.689 | -0.326 |
| women | 27.908 | 26.884 | 27.019 | 28.188 | 27.750 | 29.260 | 27.477 | 28.868 | 31.333 | 26.992 | 0.007 | 0.227 | 0.656 |

1. lung cancer 

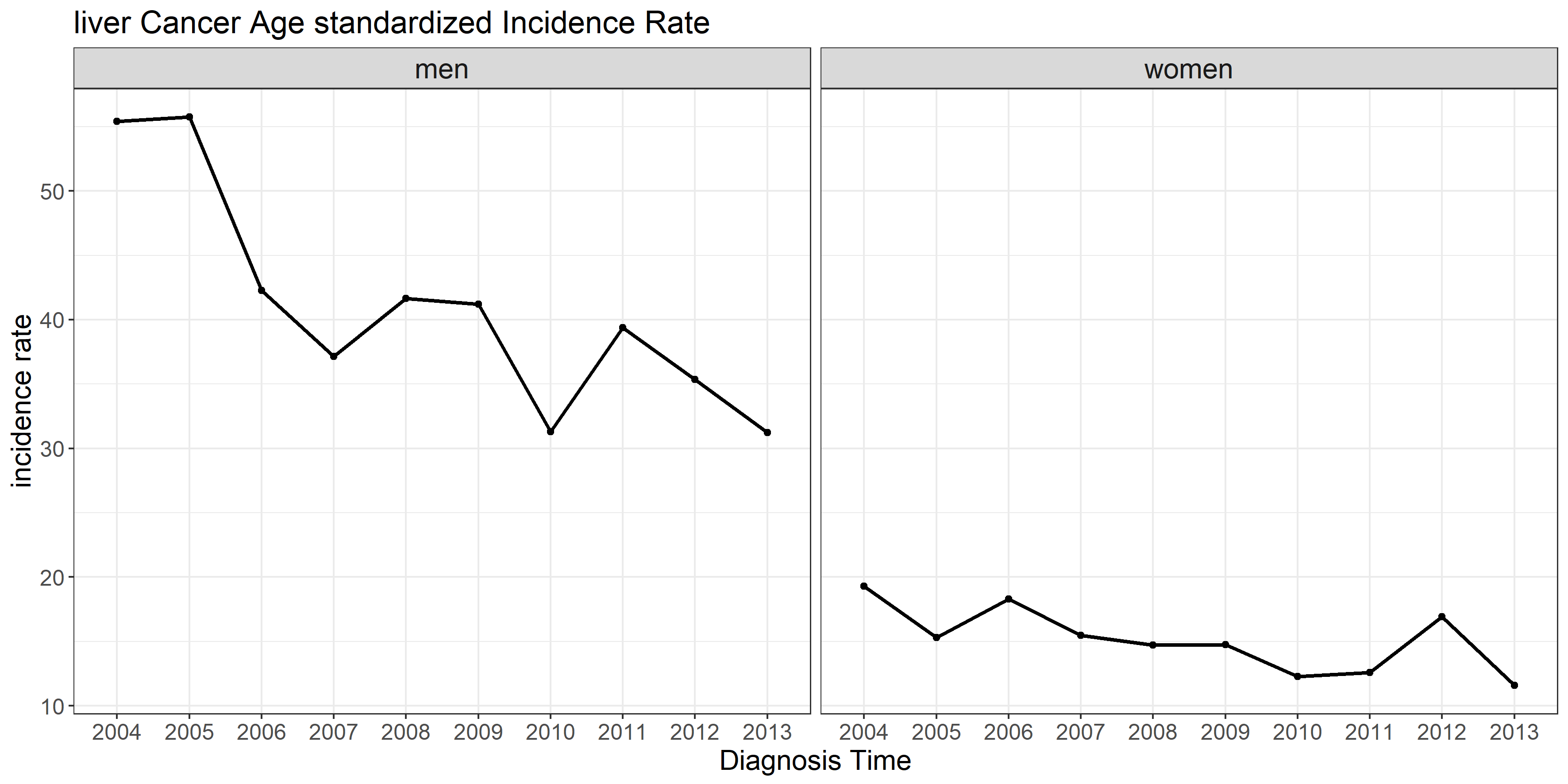
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | slope | p\_value | APC |
| men | 70.338 | 61.281 | 54.630 | 56.462 | 51.927 | 43.677 | 42.988 | 54.239 | 49.506 | 45.929 | -0.039 | 0.011 | -3.779 |
| women | 20.894 | 16.282 | 19.993 | 20.232 | 17.950 | 16.943 | 18.475 | 19.731 | 21.094 | 20.295 | 0.007 | 0.513 | 0.702 |

1. stomach cancer 

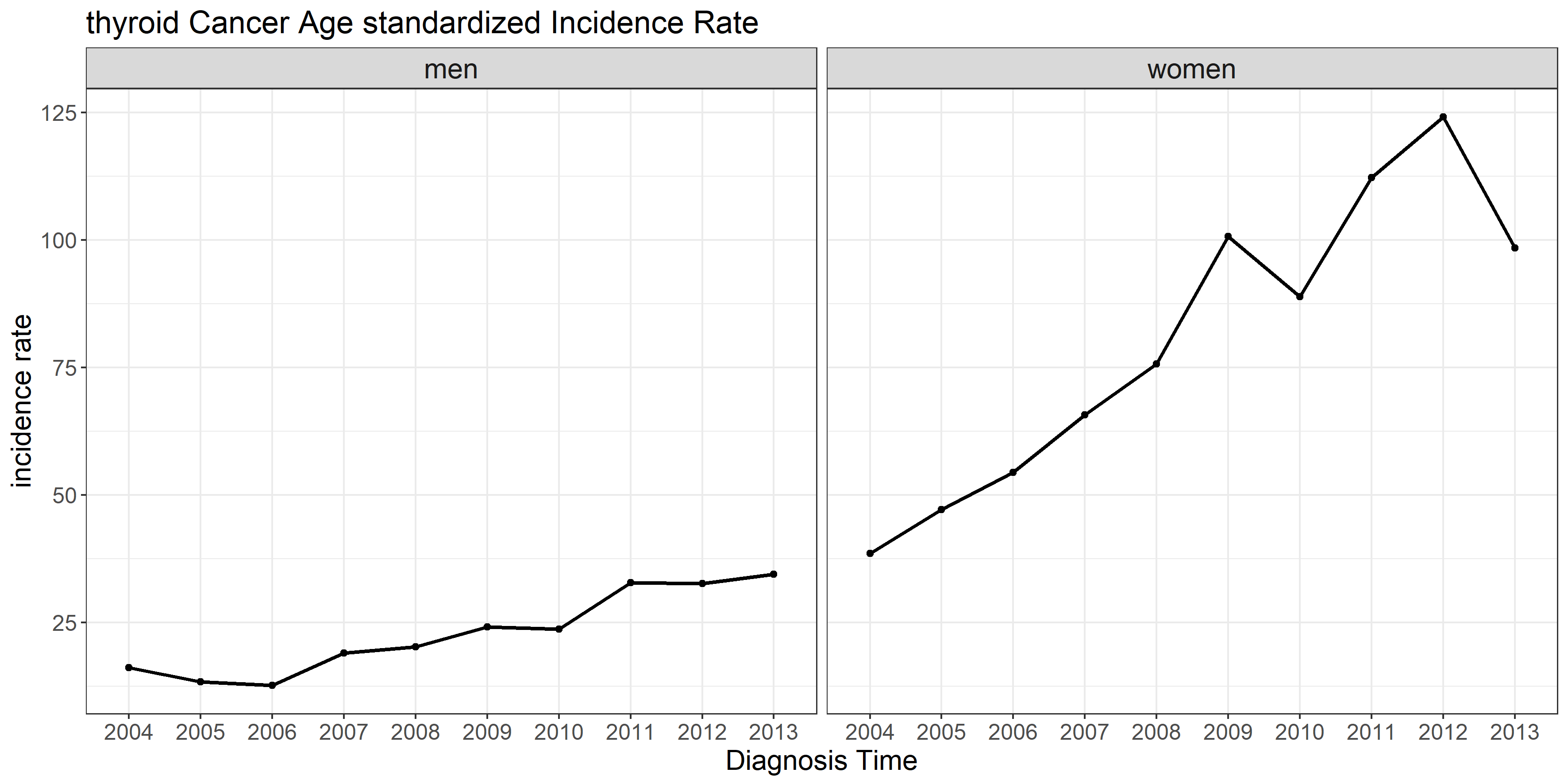
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | slope | p\_value | APC |
| men | 73.716 | 72.325 | 59.742 | 63.854 | 70.075 | 67.885 | 54.322 | 74.042 | 64.147 | 46.580 | -0.027 | 0.105 | -2.640 |
| women | 33.537 | 31.749 | 34.614 | 25.896 | 29.221 | 27.490 | 26.704 | 32.267 | 26.458 | 25.026 | -0.026 | 0.038 | -2.532 |

1. breast cancer 

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | slope | p\_value | APC |
| men | 1.008 | 1.078 | 1.137 | NA | 1.798 | 0.795 | 0.838 | 0.836 | 0.530 | 0.651 | -0.072 | 0.060 | -6.936 |
| women | 40.599 | 36.209 | 40.248 | 40.62 | 40.471 | 38.507 | 44.819 | 49.226 | 52.581 | 52.493 | 0.037 | 0.001 | 3.814 |

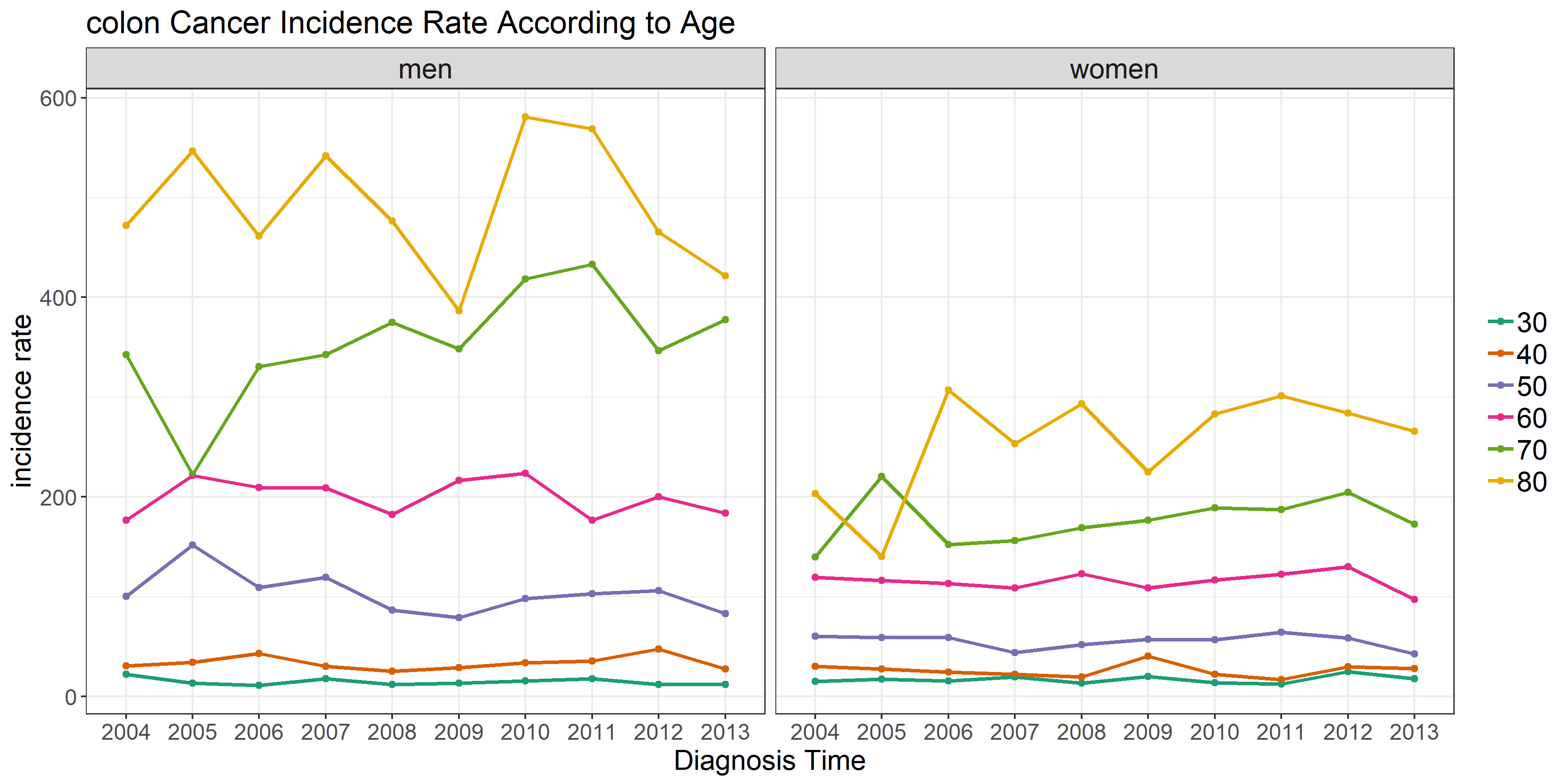
1. liver cancer 

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | slope | p\_value | APC |
| men | 55.411 | 55.757 | 42.272 | 37.144 | 41.655 | 41.193 | 31.302 | 39.379 | 35.370 | 31.212 | -0.056 | 0.002 | -5.441 |
| women | 19.307 | 15.307 | 18.288 | 15.472 | 14.722 | 14.764 | 12.270 | 12.578 | 16.914 | 11.568 | -0.039 | 0.024 | -3.848 |

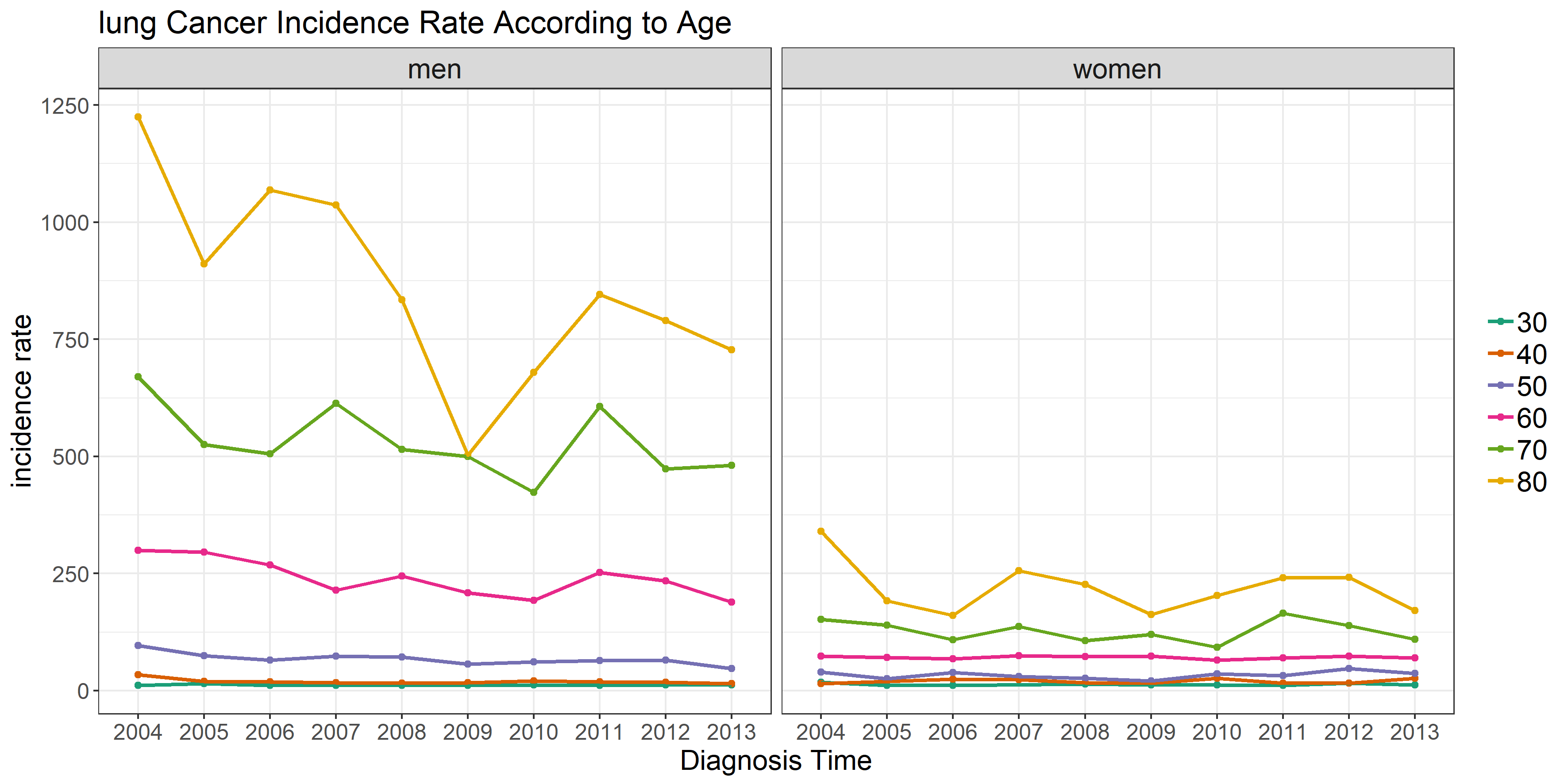
1. thyroid cancer 

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | slope | p\_value | APC |
| men | 16.097 | 13.319 | 12.615 | 18.987 | 20.179 | 24.082 | 23.698 | 32.773 | 32.616 | 34.438 | 0.114 | 0 | 12.021 |
| women | 38.558 | 47.106 | 54.387 | 65.673 | 75.642 | 100.632 | 88.878 | 112.244 | 124.103 | 98.386 | 0.121 | 0 | 12.905 |

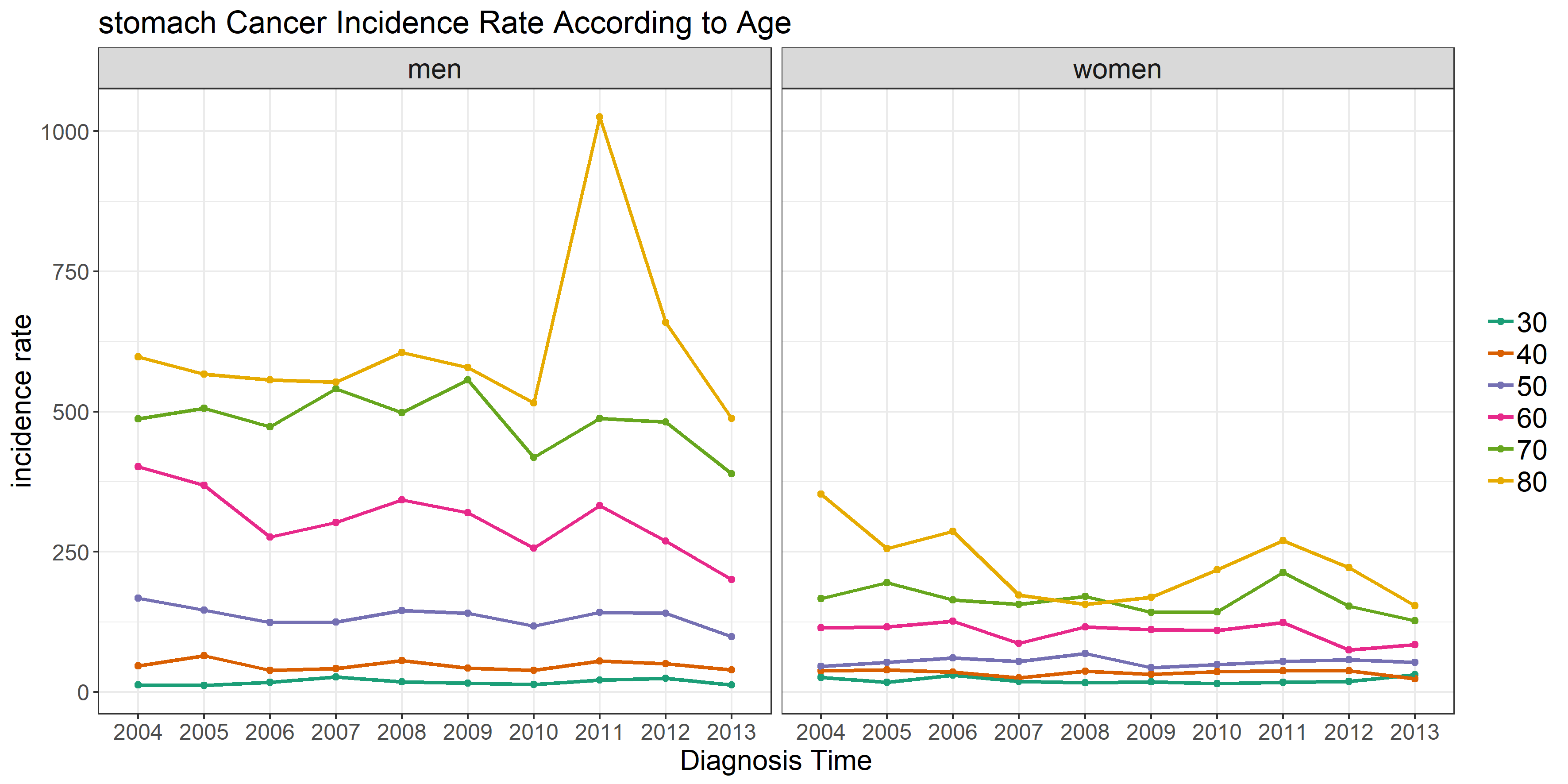
### Age Specified Incidence Rate according to Diagnosis Year

1. colon cancer 

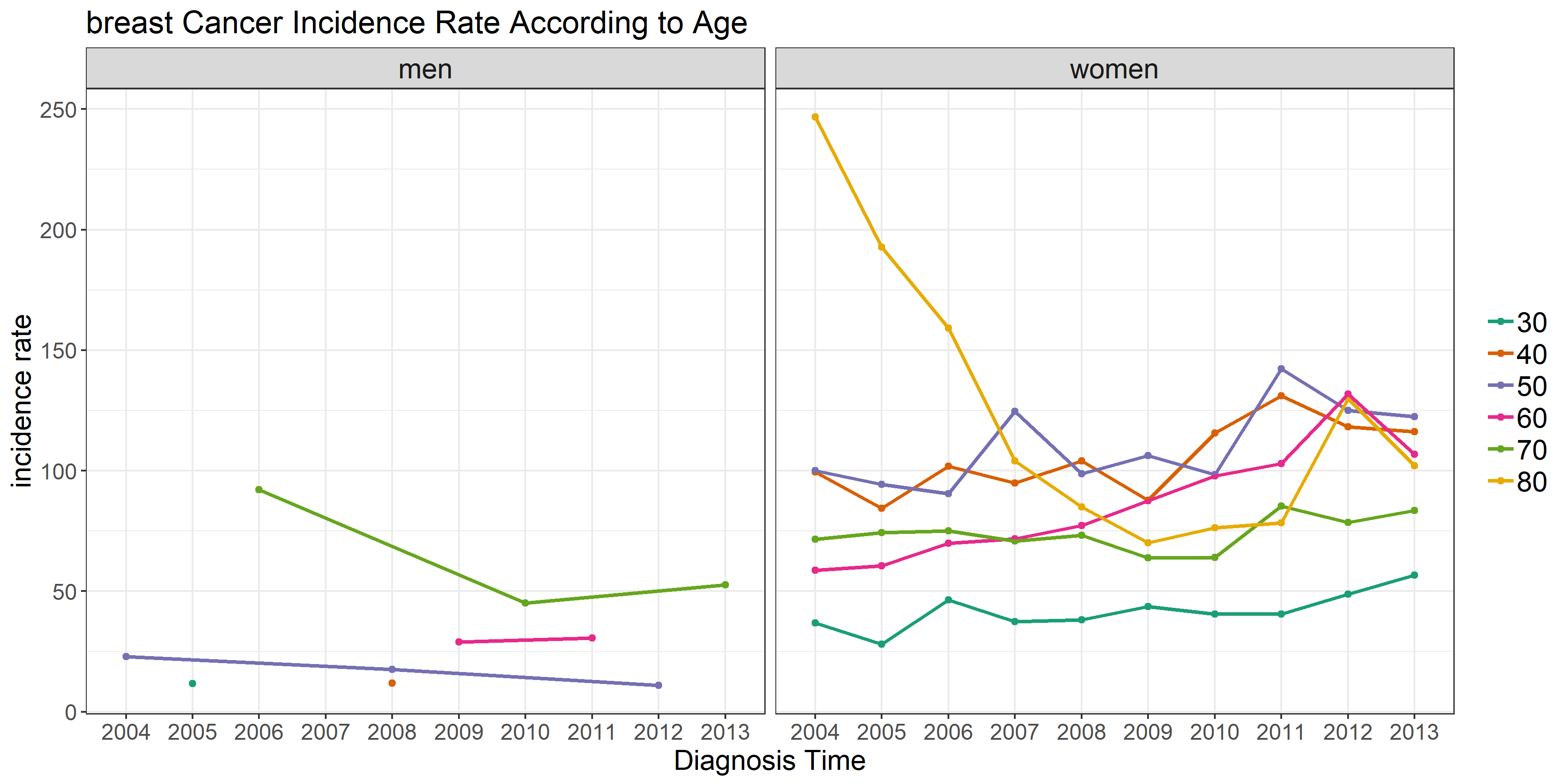
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| men | 30 | 22.06 | 13.30 | 10.91 | 17.73 | 11.93 | 13.41 | 15.37 | 17.56 | 11.89 | 11.86 |
| men | 40 | 30.67 | 34.17 | 42.97 | 30.00 | 25.44 | 29.06 | 33.91 | 35.48 | 47.32 | 27.60 |
| men | 50 | 100.51 | 151.72 | 109.15 | 119.23 | 86.60 | 78.86 | 97.94 | 103.01 | 105.91 | 83.14 |
| men | 60 | 176.74 | 221.38 | 209.63 | 209.12 | 182.34 | 216.38 | 223.43 | 176.42 | 199.94 | 183.78 |
| men | 70 | 342.49 | 222.09 | 330.44 | 342.51 | 374.83 | 348.49 | 418.33 | 433.18 | 346.50 | 377.42 |
| men | 80 | 472.18 | 546.45 | 461.32 | 541.57 | 476.59 | 386.30 | 580.80 | 568.80 | 465.36 | 421.30 |
| women | 30 | 15.17 | 17.41 | 15.36 | 19.57 | 13.35 | 19.78 | 13.85 | 12.30 | 24.69 | 17.93 |
| women | 40 | 30.37 | 27.48 | 24.42 | 22.33 | 19.63 | 40.27 | 22.23 | 16.82 | 29.82 | 27.85 |
| women | 50 | 60.56 | 59.01 | 59.07 | 43.86 | 51.85 | 57.07 | 56.83 | 64.18 | 58.50 | 42.70 |
| women | 60 | 119.18 | 116.11 | 113.37 | 108.91 | 123.04 | 108.93 | 116.50 | 122.30 | 130.01 | 97.28 |
| women | 70 | 139.69 | 220.68 | 152.23 | 156.11 | 169.10 | 176.59 | 188.90 | 187.31 | 204.54 | 172.81 |
| women | 80 | 203.22 | 140.11 | 306.94 | 253.22 | 293.19 | 225.12 | 283.22 | 301.23 | 284.01 | 265.58 |

1. lung cancer 

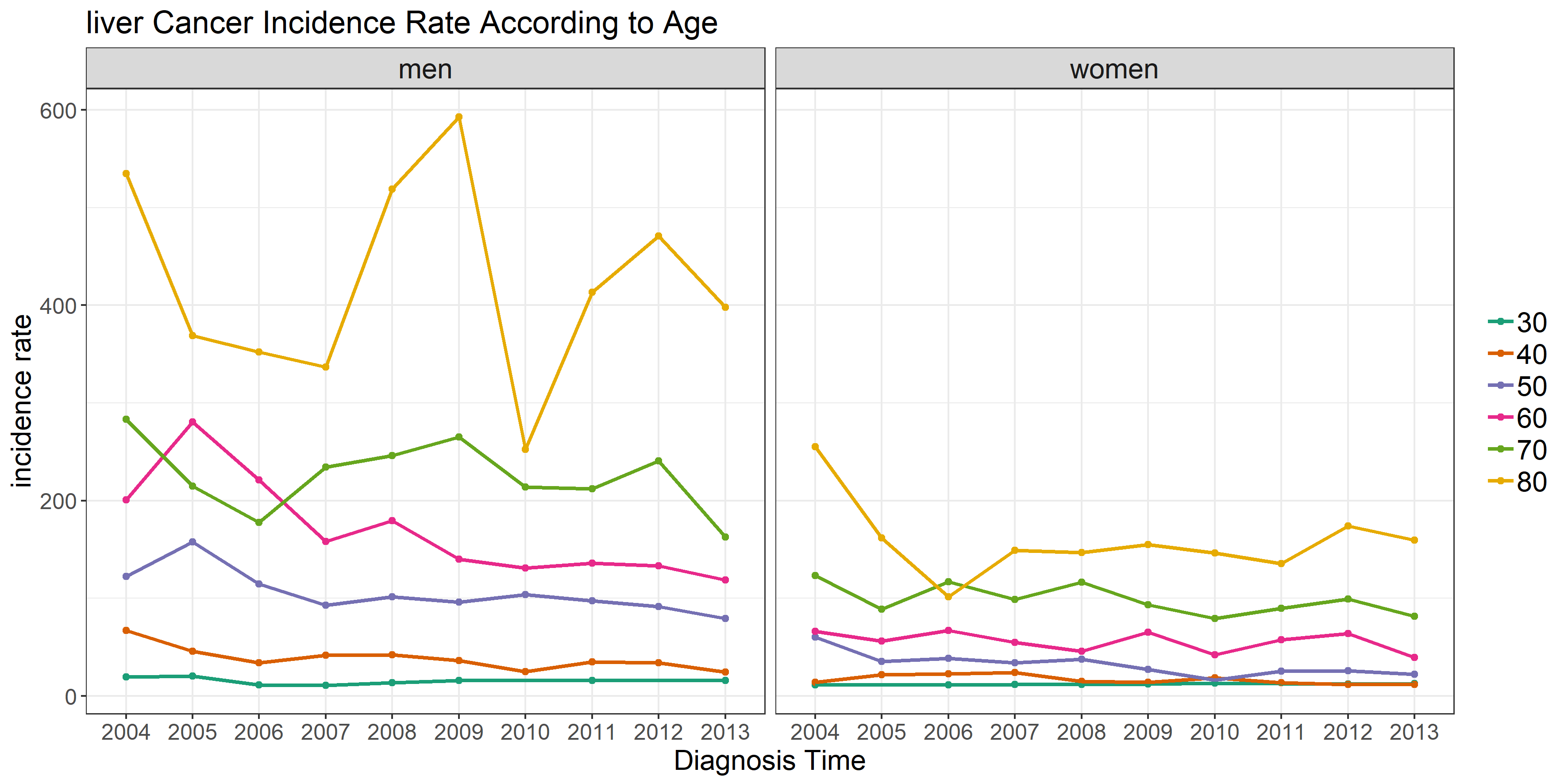
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| men | 30 | 11.06 | 15.33 | 10.88 | 11.19 | 10.88 | 10.69 | 11.69 | 11.04 | 11.77 | 11.89 |
| men | 40 | 33.52 | 19.37 | 18.63 | 17.14 | 16.01 | 16.90 | 20.97 | 18.90 | 17.88 | 14.95 |
| men | 50 | 96.32 | 74.59 | 64.75 | 73.64 | 71.35 | 56.78 | 60.84 | 64.03 | 64.87 | 47.32 |
| men | 60 | 299.56 | 295.18 | 267.85 | 214.77 | 244.94 | 208.47 | 192.61 | 252.04 | 234.50 | 188.56 |
| men | 70 | 669.76 | 525.61 | 505.38 | 612.91 | 514.69 | 499.32 | 423.19 | 606.45 | 473.27 | 480.71 |
| men | 80 | 1224.78 | 910.75 | 1068.85 | 1036.59 | 834.53 | 502.38 | 679.04 | 845.55 | 790.37 | 727.92 |
| women | 30 | 17.49 | 10.97 | 11.10 | NA | 13.66 | 11.94 | 12.15 | 11.42 | 16.02 | 12.10 |
| women | 40 | 15.01 | 20.12 | 23.95 | 23.59 | 16.56 | 16.32 | 25.90 | 15.47 | 16.10 | 26.51 |
| women | 50 | 39.96 | 25.29 | 38.20 | 29.82 | 26.00 | 20.62 | 35.32 | 32.09 | 46.92 | 36.37 |
| women | 60 | 73.54 | 70.67 | 68.02 | 74.93 | 72.38 | 73.41 | 64.98 | 69.97 | 73.50 | 69.51 |
| women | 70 | 152.17 | 140.04 | 108.16 | 136.89 | 106.64 | 120.27 | 92.79 | 165.09 | 138.37 | 109.45 |
| women | 80 | 340.52 | 191.80 | 160.46 | 256.27 | 226.52 | 162.73 | 202.59 | 240.40 | 242.17 | 170.78 |

1. stomach cancer 

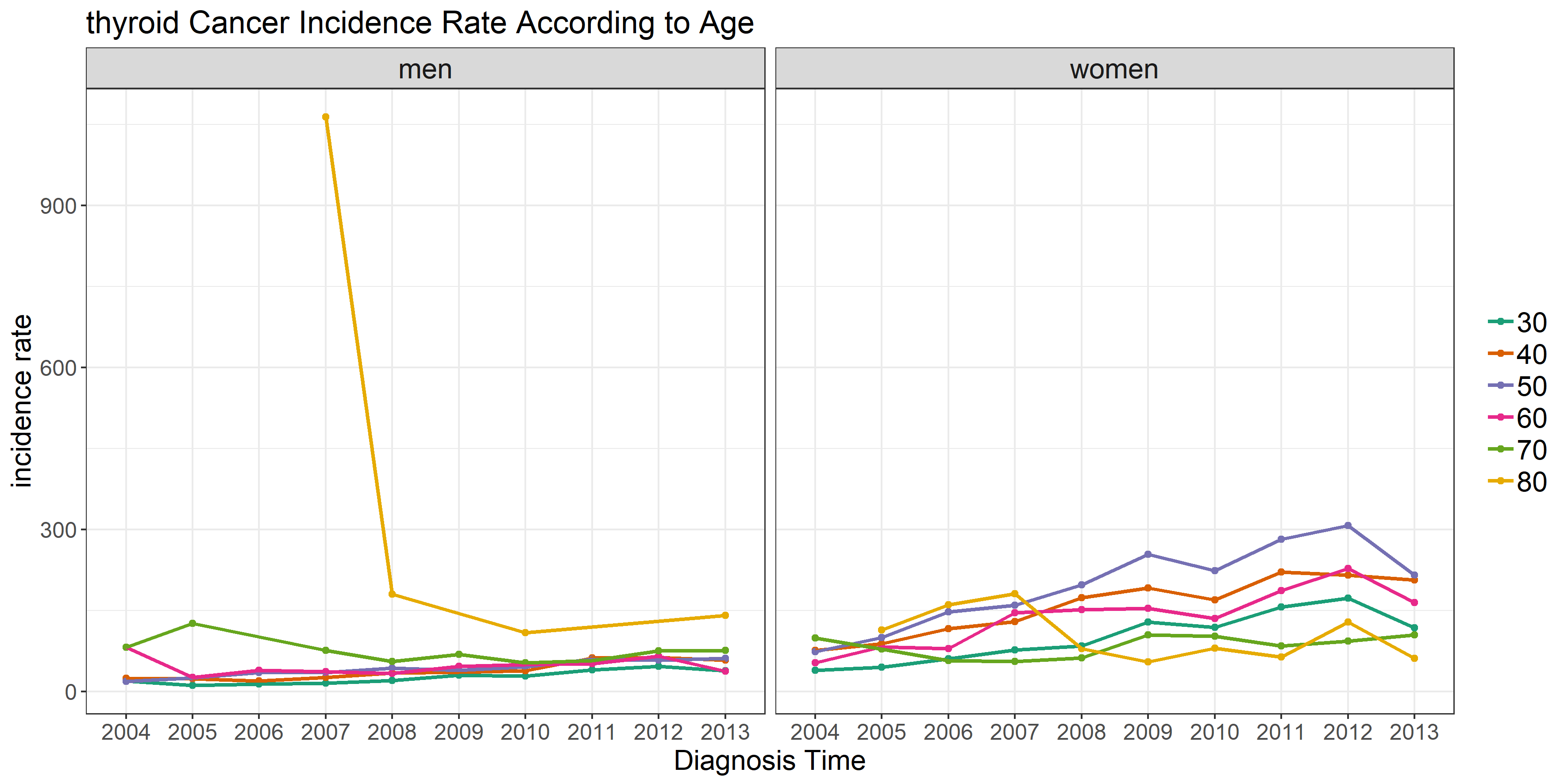
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| men | 30 | 12.54 | 11.38 | 17.61 | 26.87 | 18.39 | 15.90 | 13.57 | 21.49 | 24.37 | 12.92 |
| men | 40 | 46.75 | 64.87 | 38.43 | 41.53 | 55.73 | 42.94 | 38.34 | 55.24 | 50.70 | 39.30 |
| men | 50 | 167.52 | 145.81 | 123.95 | 124.48 | 144.89 | 140.37 | 117.23 | 141.98 | 140.34 | 98.48 |
| men | 60 | 401.41 | 368.97 | 276.59 | 302.37 | 342.91 | 319.29 | 256.81 | 332.69 | 269.06 | 200.49 |
| men | 70 | 487.10 | 505.83 | 472.98 | 540.80 | 497.90 | 556.54 | 418.33 | 487.89 | 481.72 | 389.34 |
| men | 80 | 597.75 | 566.47 | 556.48 | 552.28 | 605.14 | 578.42 | 515.68 | 1025.53 | 659.17 | 487.48 |
| women | 30 | 26.28 | 17.23 | 29.96 | 18.89 | 16.41 | 18.33 | 14.59 | 17.44 | 18.68 | 30.34 |
| women | 40 | 37.76 | 39.42 | 35.16 | 25.21 | 37.00 | 31.57 | 36.13 | 37.95 | 37.93 | 23.32 |
| women | 50 | 45.88 | 53.11 | 60.91 | 54.39 | 68.57 | 43.58 | 49.15 | 54.41 | 57.17 | 52.87 |
| women | 60 | 114.11 | 116.11 | 125.97 | 86.63 | 115.80 | 111.30 | 109.51 | 123.59 | 75.27 | 84.50 |
| women | 70 | 166.73 | 195.21 | 164.25 | 156.11 | 170.83 | 142.01 | 142.50 | 212.71 | 153.41 | 126.73 |
| women | 80 | 352.81 | 255.71 | 286.32 | 172.86 | 155.88 | 168.50 | 217.80 | 269.68 | 221.97 | 153.75 |

1. breast cancer 

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| men | 30 | NA | 11.62 | NA | NA | NA | NA | NA | NA | NA | NA |
| men | 40 | NA | NA | NA | NA | 11.96 | NA | NA | NA | NA | NA |
| men | 50 | 22.95 | NA | NA | NA | 17.63 | NA | NA | NA | 10.87 | NA |
| men | 60 | NA | NA | NA | NA | NA | 29.04 | NA | 30.55 | NA | NA |
| men | 70 | NA | NA | 92.08 | NA | NA | NA | 45.11 | NA | NA | 52.73 |
| women | 30 | 36.88 | 28.10 | 46.41 | 37.35 | 38.05 | 43.63 | 40.44 | 40.45 | 48.87 | 56.70 |
| women | 40 | 99.52 | 84.44 | 101.83 | 94.85 | 104.14 | 87.70 | 115.61 | 131.02 | 118.11 | 116.18 |
| women | 50 | 100.10 | 94.42 | 90.45 | 124.56 | 98.68 | 106.21 | 98.29 | 142.31 | 124.98 | 122.51 |
| women | 60 | 58.67 | 60.58 | 69.82 | 71.78 | 77.20 | 87.62 | 97.86 | 103.03 | 131.79 | 106.74 |
| women | 70 | 71.64 | 74.25 | 75.08 | 70.74 | 73.24 | 63.78 | 63.97 | 85.29 | 78.46 | 83.53 |
| women | 80 | 246.76 | 192.68 | 159.07 | 103.99 | 85.01 | 70.15 | 76.31 | 78.26 | 129.93 | 101.99 |

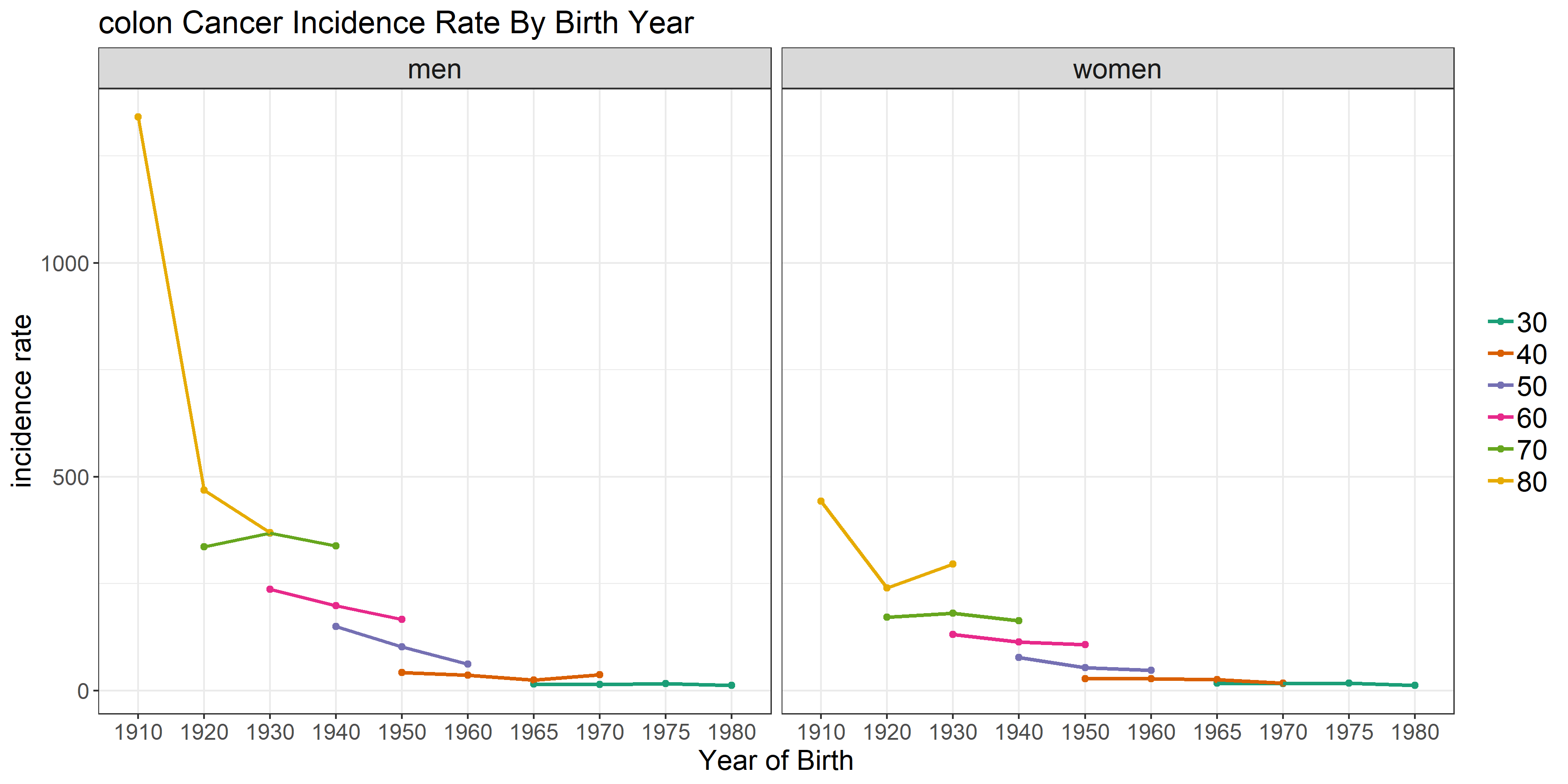
1. liver cancer 

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| men | 30 | 19.33 | 20.44 | 11.11 | 10.66 | 13.48 | 15.68 | NA | 16.03 | NA | 16.09 |
| men | 40 | 67.13 | 46.00 | 33.77 | 41.53 | 42.26 | 36.16 | 24.81 | 34.93 | 33.80 | 24.70 |
| men | 50 | 122.16 | 157.63 | 114.70 | 92.93 | 101.59 | 96.21 | 103.88 | 97.44 | 91.35 | 79.30 |
| men | 60 | 200.71 | 280.42 | 221.27 | 158.25 | 179.62 | 139.86 | 130.97 | 136.10 | 133.29 | 118.80 |
| men | 70 | 283.31 | 214.69 | 177.56 | 234.35 | 246.15 | 265.27 | 214.03 | 212.11 | 240.86 | 162.89 |
| men | 80 | 534.76 | 368.73 | 352.24 | 336.70 | 518.81 | 592.89 | 252.38 | 413.33 | 471.11 | 397.88 |
| women | 30 | 11.16 | NA | 11.23 | 11.62 | 11.62 | 12.22 | 13.15 | NA | 12.39 | 12.80 |
| women | 40 | 14.22 | 21.98 | 22.86 | 23.87 | 14.88 | 14.25 | 18.48 | 13.57 | 11.83 | 11.65 |
| women | 50 | 60.09 | 35.41 | 38.30 | 33.81 | 37.61 | 27.23 | 16.28 | 25.60 | 25.89 | 22.14 |
| women | 60 | 65.99 | 56.25 | 67.29 | 54.82 | 45.84 | 65.21 | 41.94 | 57.69 | 63.86 | 39.52 |
| women | 70 | 123.49 | 88.79 | 116.79 | 98.86 | 116.31 | 93.49 | 79.54 | 89.59 | 99.26 | 81.58 |
| women | 80 | 255.39 | 161.75 | 101.61 | 149.13 | 146.67 | 154.96 | 146.27 | 135.38 | 173.91 | 159.59 |

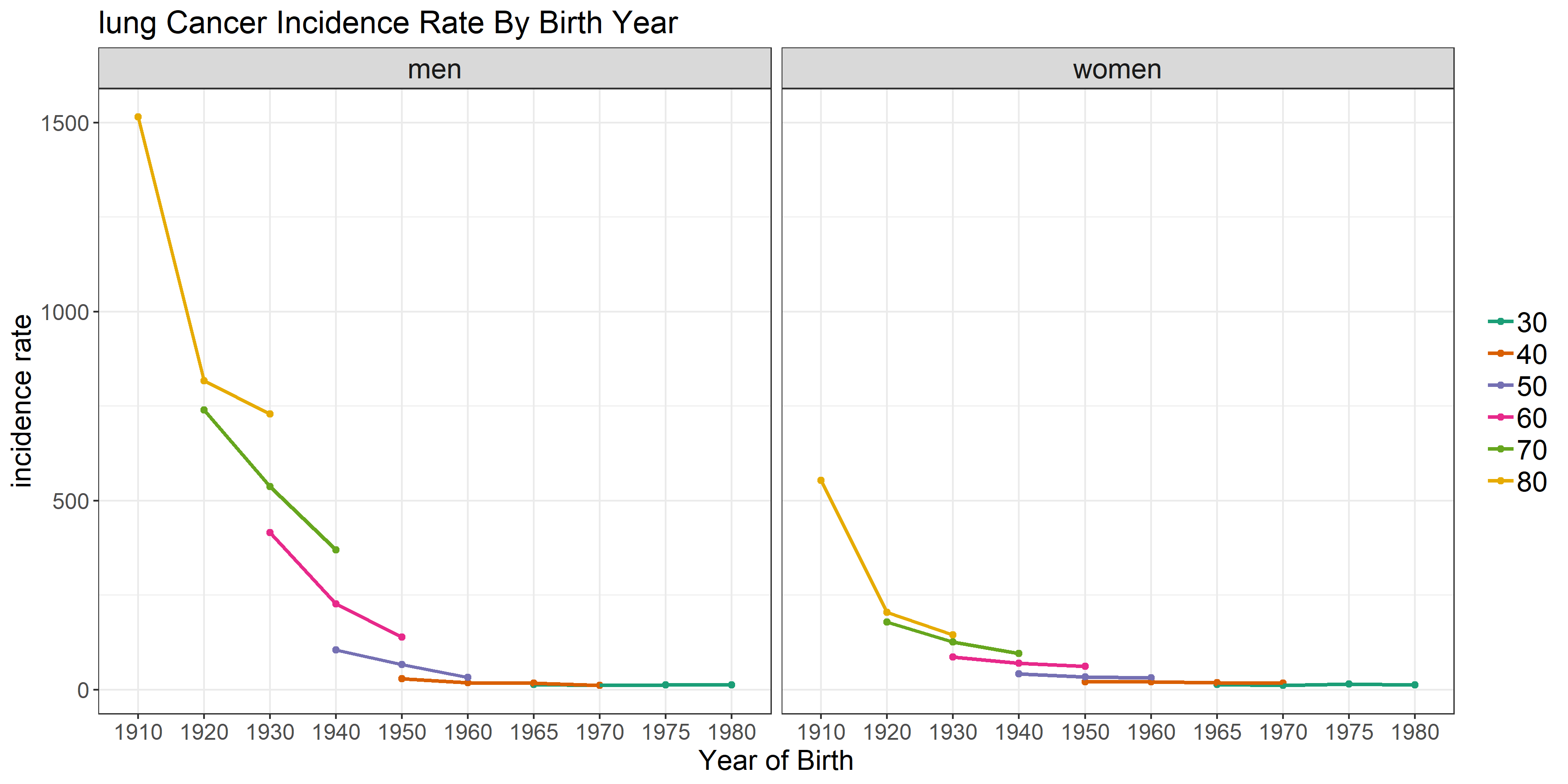
1. thyroid cancer 

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| men | 30 | 19.38 | 11.06 | 14.22 | 15.41 | 20.12 | 30.67 | 28.54 | 39.77 | 47.05 | 38.26 |
| men | 40 | 24.79 | 23.37 | 19.62 | 25.89 | 34.19 | 36.16 | 38.34 | 62.01 | 63.09 | 58.39 |
| men | 50 | 19.21 | 25.21 | 35.24 | 35.57 | 43.24 | 39.54 | 46.00 | 59.89 | 58.25 | 61.39 |
| men | 60 | 81.99 | 26.28 | 39.05 | 36.84 | 33.39 | 46.99 | 49.73 | 51.23 | 65.71 | 37.48 |
| men | 70 | 82.03 | 126.34 | NA | 75.99 | 55.91 | 69.05 | 53.07 | 57.73 | 75.69 | 75.96 |
| men | 80 | NA | NA | NA | 1063.83 | 180.18 | NA | 108.70 | NA | NA | 140.85 |
| women | 30 | 38.97 | 44.88 | 60.22 | 77.04 | 84.43 | 128.46 | 118.87 | 156.21 | 172.93 | 118.22 |
| women | 40 | 75.89 | 88.11 | 116.38 | 129.66 | 173.96 | 191.77 | 169.33 | 221.10 | 215.18 | 206.79 |
| women | 50 | 73.80 | 99.78 | 147.67 | 159.65 | 197.36 | 253.64 | 223.39 | 281.84 | 307.12 | 215.36 |
| women | 60 | 53.25 | 82.96 | 79.87 | 146.04 | 151.99 | 153.92 | 135.14 | 186.92 | 228.08 | 164.55 |
| women | 70 | 99.02 | 78.55 | 57.25 | 55.36 | 62.10 | 105.08 | 102.73 | 84.30 | 93.55 | 104.53 |
| women | 80 | NA | 113.83 | 160.38 | 180.83 | 79.30 | 54.59 | 80.11 | 64.18 | 128.37 | 61.27 |

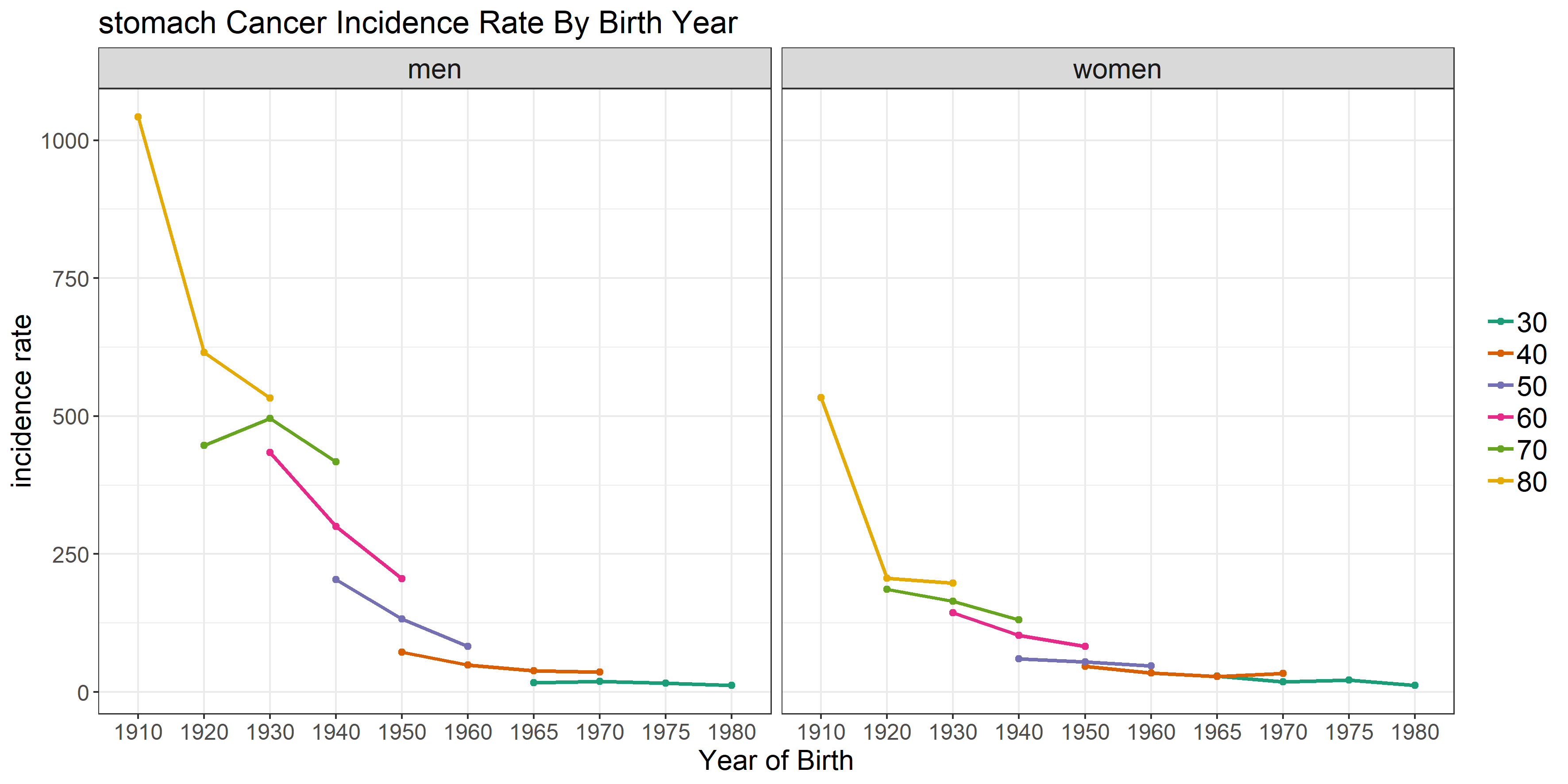
### Age Specified Incidence Rate according to Birth Cohort

1. colon cancer 

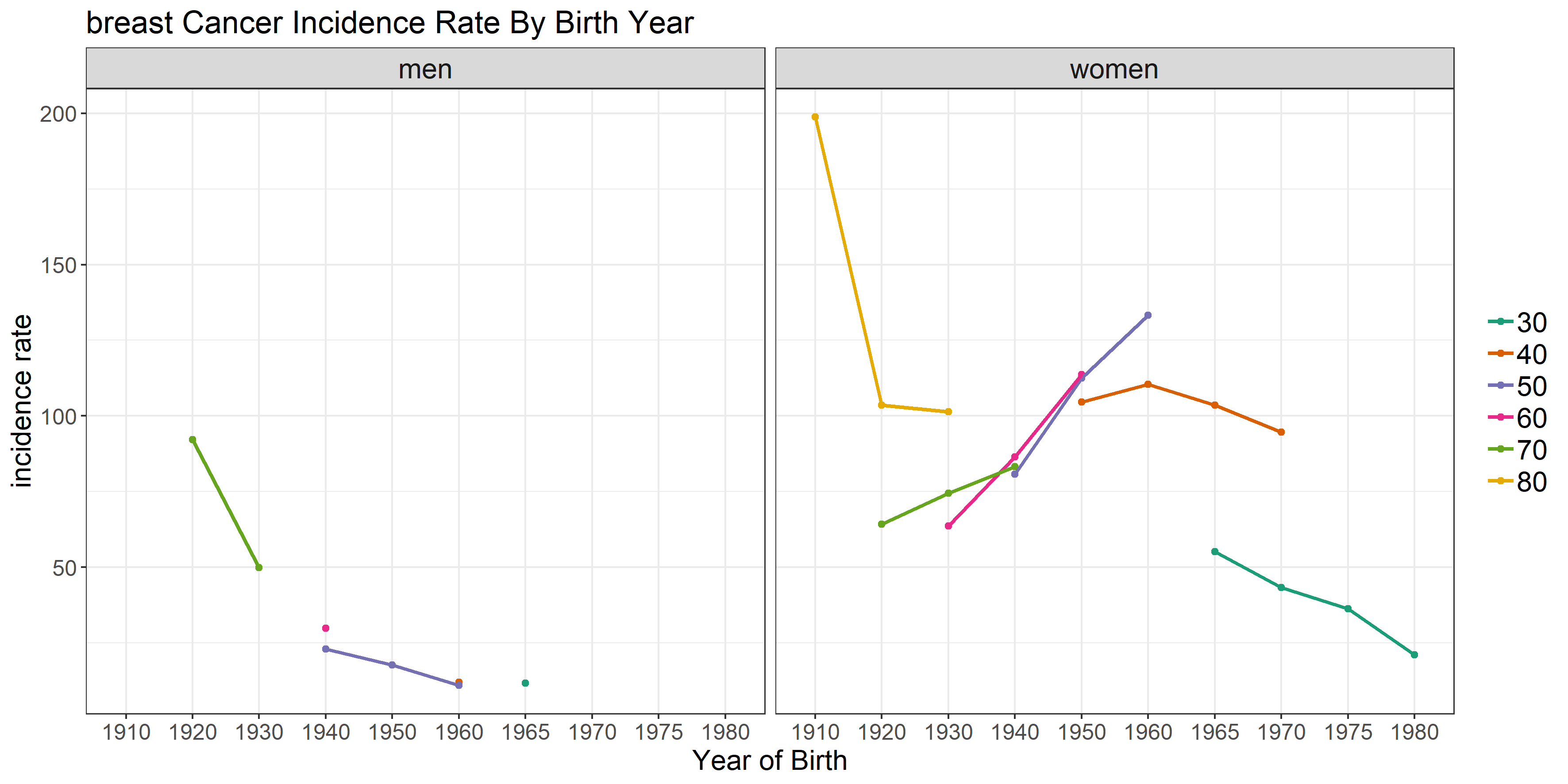
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1965 | 1970 | 1975 | 1980 |
| men | 30 | NA | NA | NA | NA | NA | NA | 15.78 | 14.43 | 16.32 | 11.90 |
| men | 40 | NA | NA | NA | NA | 42.70 | 36.17 | 24.73 | 36.89 | NA | NA |
| men | 50 | NA | NA | NA | 149.90 | 102.27 | 62.33 | NA | NA | NA | NA |
| men | 60 | NA | NA | 237.48 | 199.21 | 166.84 | NA | NA | NA | NA | NA |
| men | 70 | NA | 336.47 | 367.97 | 338.14 | NA | NA | NA | NA | NA | NA |
| men | 80 | 1341.53 | 469.25 | 369.81 | NA | NA | NA | NA | NA | NA | NA |
| women | 30 | NA | NA | NA | NA | NA | NA | 17.44 | 16.90 | 17.74 | 12.27 |
| women | 40 | NA | NA | NA | NA | 27.98 | 27.82 | 25.70 | 18.06 | NA | NA |
| women | 50 | NA | NA | NA | 77.31 | 53.74 | 47.40 | NA | NA | NA | NA |
| women | 60 | NA | NA | 131.04 | 114.25 | 107.49 | NA | NA | NA | NA | NA |
| women | 70 | NA | 171.29 | 181.58 | 163.29 | NA | NA | NA | NA | NA | NA |
| women | 80 | 443.11 | 240.37 | 296.06 | NA | NA | NA | NA | NA | NA | NA |

1. lung cancer 

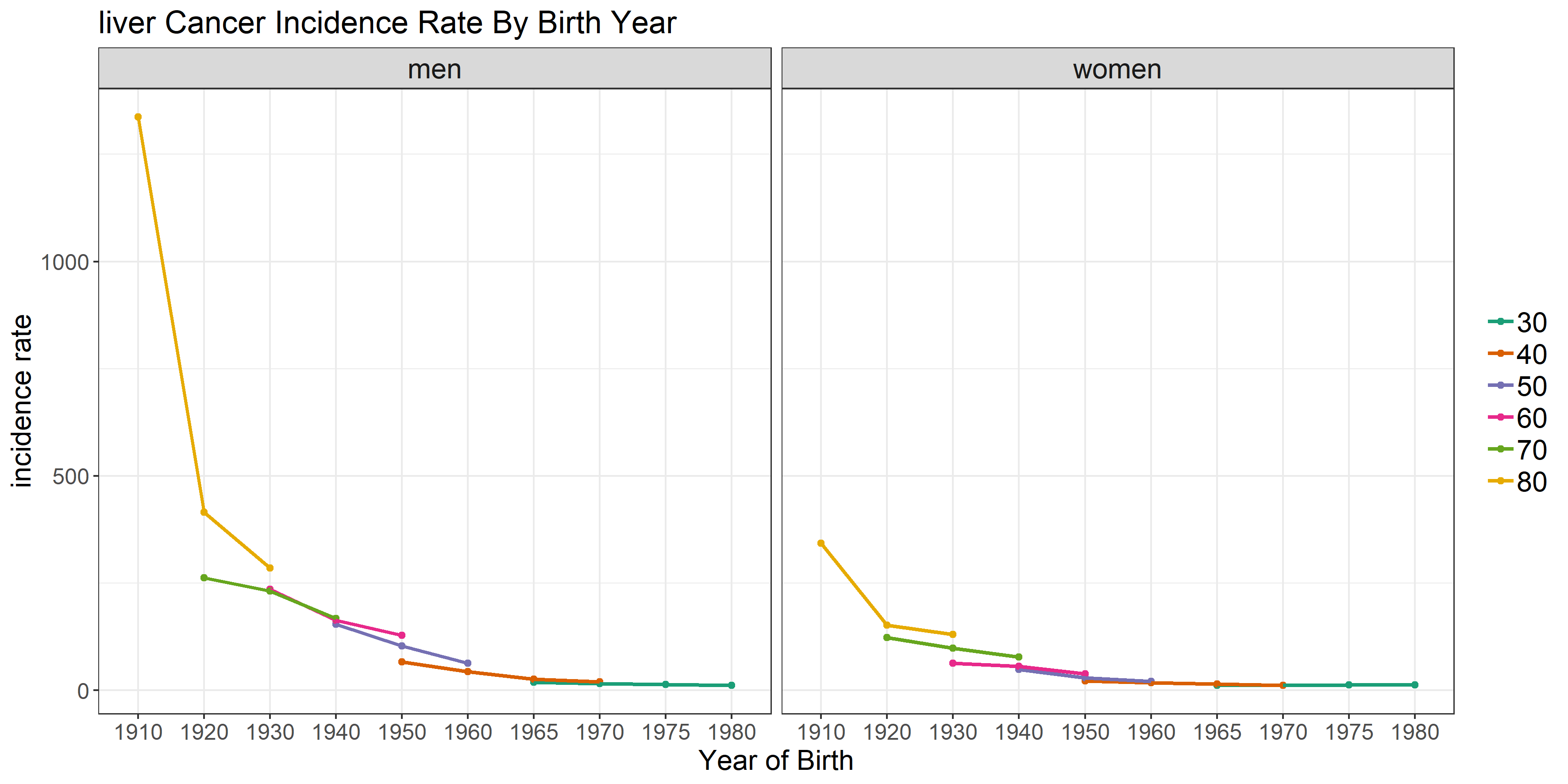
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1965 | 1970 | 1975 | 1980 |
| men | 30 | NA | NA | NA | NA | NA | NA | 14.19 | 11.53 | 12.39 | 12.02 |
| men | 40 | NA | NA | NA | NA | 28.49 | 18.78 | 16.94 | 10.74 | NA | NA |
| men | 50 | NA | NA | NA | 104.93 | 66.58 | 32.28 | NA | NA | NA | NA |
| men | 60 | NA | NA | 415.59 | 226.50 | 139.03 | NA | NA | NA | NA | NA |
| men | 70 | NA | 740.24 | 537.53 | 369.74 | NA | NA | NA | NA | NA | NA |
| men | 80 | 1515.15 | 816.75 | 728.74 | NA | NA | NA | NA | NA | NA | NA |
| women | 30 | NA | NA | NA | NA | NA | NA | 14.20 | 11.23 | 15.09 | 12.27 |
| women | 40 | NA | NA | NA | NA | 20.23 | 21.07 | 18.50 | 16.64 | NA | NA |
| women | 50 | NA | NA | NA | 42.02 | 33.31 | 31.14 | NA | NA | NA | NA |
| women | 60 | NA | NA | 86.13 | 69.82 | 61.80 | NA | NA | NA | NA | NA |
| women | 70 | NA | 178.99 | 125.75 | 95.46 | NA | NA | NA | NA | NA | NA |
| women | 80 | 554.07 | 204.66 | 144.32 | NA | NA | NA | NA | NA | NA | NA |

1. stomach cancer 

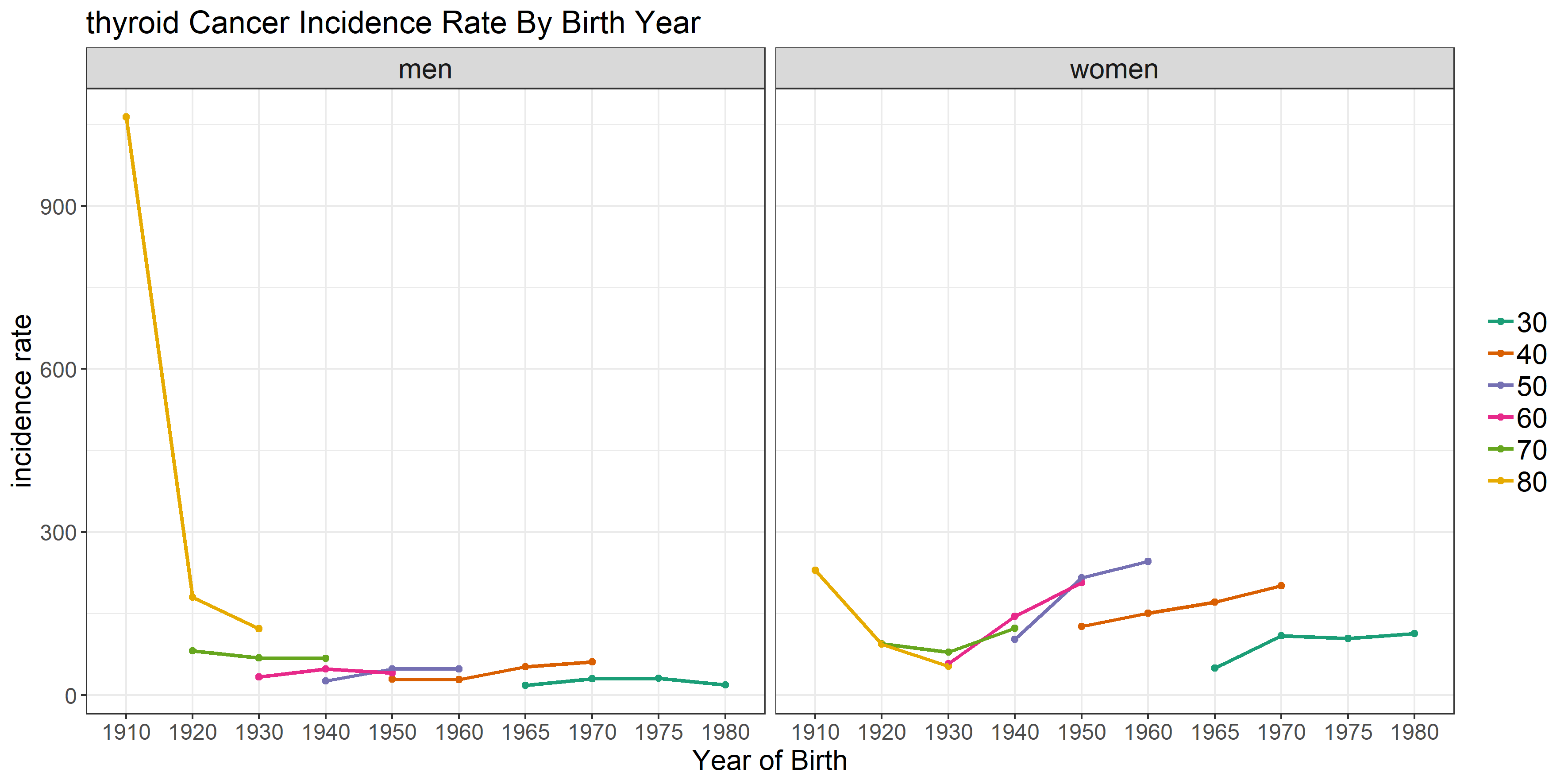
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1965 | 1970 | 1975 | 1980 |
| men | 30 | NA | NA | NA | NA | NA | NA | 16.80 | 19.33 | 16.54 | 11.77 |
| men | 40 | NA | NA | NA | NA | 72.60 | 48.80 | 38.71 | 36.40 | NA | NA |
| men | 50 | NA | NA | NA | 203.87 | 132.50 | 82.36 | NA | NA | NA | NA |
| men | 60 | NA | NA | 433.86 | 300.23 | 205.34 | NA | NA | NA | NA | NA |
| men | 70 | NA | 446.81 | 496.02 | 417.14 | NA | NA | NA | NA | NA | NA |
| men | 80 | 1042.18 | 615.03 | 532.96 | NA | NA | NA | NA | NA | NA | NA |
| women | 30 | NA | NA | NA | NA | NA | NA | 29.06 | 18.82 | 21.50 | 12.30 |
| women | 40 | NA | NA | NA | NA | 46.89 | 34.93 | 28.28 | 33.48 | NA | NA |
| women | 50 | NA | NA | NA | 60.13 | 54.56 | 47.40 | NA | NA | NA | NA |
| women | 60 | NA | NA | 143.79 | 102.61 | 82.69 | NA | NA | NA | NA | NA |
| women | 70 | NA | 185.87 | 164.91 | 130.63 | NA | NA | NA | NA | NA | NA |
| women | 80 | 533.54 | 205.89 | 197.37 | NA | NA | NA | NA | NA | NA | NA |

1. breast cancer 

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1965 | 1970 | 1975 | 1980 |
| men | 30 | NA | NA | NA | NA | NA | NA | 11.62 | NA | NA | NA |
| men | 40 | NA | NA | NA | NA | NA | 11.96 | NA | NA | NA | NA |
| men | 50 | NA | NA | NA | 22.95 | 17.63 | 10.87 | NA | NA | NA | NA |
| men | 60 | NA | NA | NA | 29.78 | NA | NA | NA | NA | NA | NA |
| men | 70 | NA | 92.08 | 49.92 | NA | NA | NA | NA | NA | NA | NA |
| women | 30 | NA | NA | NA | NA | NA | NA | 55.18 | 43.27 | 36.25 | 21.08 |
| women | 40 | NA | NA | NA | NA | 104.56 | 110.36 | 103.61 | 94.66 | NA | NA |
| women | 50 | NA | NA | NA | 80.67 | 112.48 | 133.18 | NA | NA | NA | NA |
| women | 60 | NA | NA | 63.63 | 86.48 | 113.69 | NA | NA | NA | NA | NA |
| women | 70 | NA | 64.21 | 74.49 | 83.17 | NA | NA | NA | NA | NA | NA |
| women | 80 | 198.81 | 103.61 | 101.39 | NA | NA | NA | NA | NA | NA | NA |

1. liver cancer 

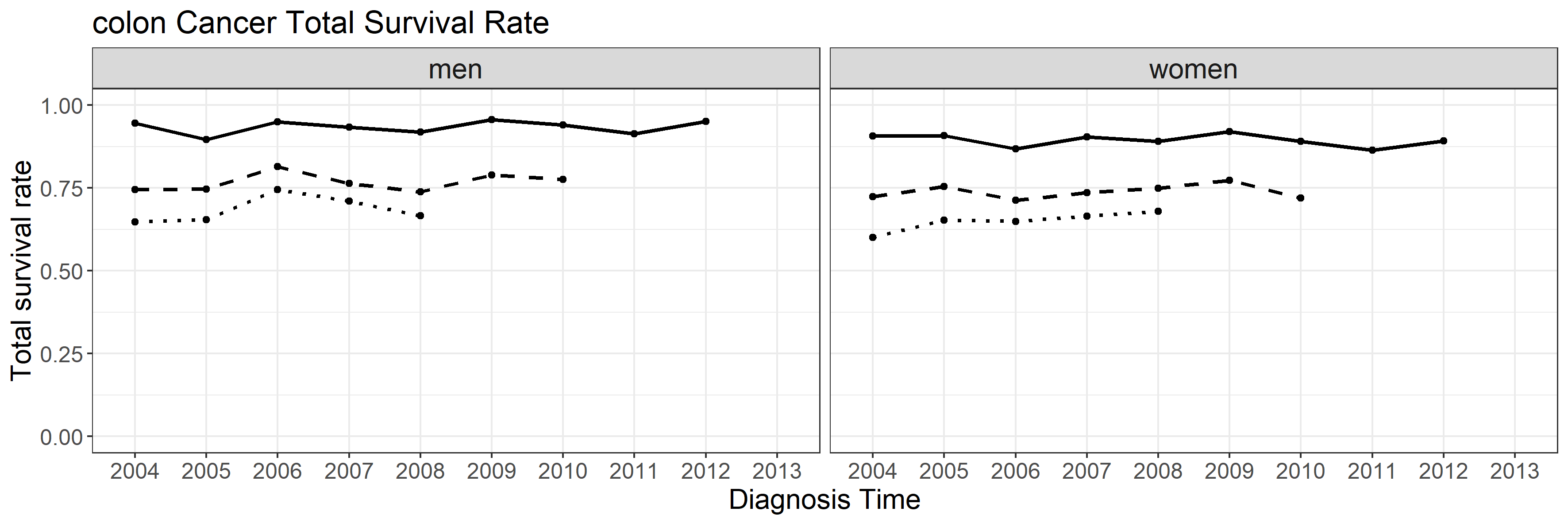
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1965 | 1970 | 1975 | 1980 |
| men | 30 | NA | NA | NA | NA | NA | NA | 19.05 | 15.56 | 14.16 | 11.96 |
| men | 40 | NA | NA | NA | NA | 66.69 | 43.73 | 26.25 | 20.34 | NA | NA |
| men | 50 | NA | NA | NA | 153.58 | 103.96 | 63.44 | NA | NA | NA | NA |
| men | 60 | NA | NA | 235.20 | 163.12 | 128.34 | NA | NA | NA | NA | NA |
| men | 70 | NA | 262.76 | 231.43 | 167.49 | NA | NA | NA | NA | NA | NA |
| men | 80 | 1337.30 | 415.76 | 285.24 | NA | NA | NA | NA | NA | NA | NA |
| women | 30 | NA | NA | NA | NA | NA | NA | 11.23 | 11.45 | 12.98 | 12.37 |
| women | 40 | NA | NA | NA | NA | 21.90 | 17.45 | 14.25 | 11.13 | NA | NA |
| women | 50 | NA | NA | NA | 48.42 | 29.35 | 21.13 | NA | NA | NA | NA |
| women | 60 | NA | NA | 63.70 | 56.37 | 38.93 | NA | NA | NA | NA | NA |
| women | 70 | NA | 122.72 | 97.91 | 77.31 | NA | NA | NA | NA | NA | NA |
| women | 80 | 342.56 | 152.01 | 129.85 | NA | NA | NA | NA | NA | NA | NA |

1. thyroid cancer 

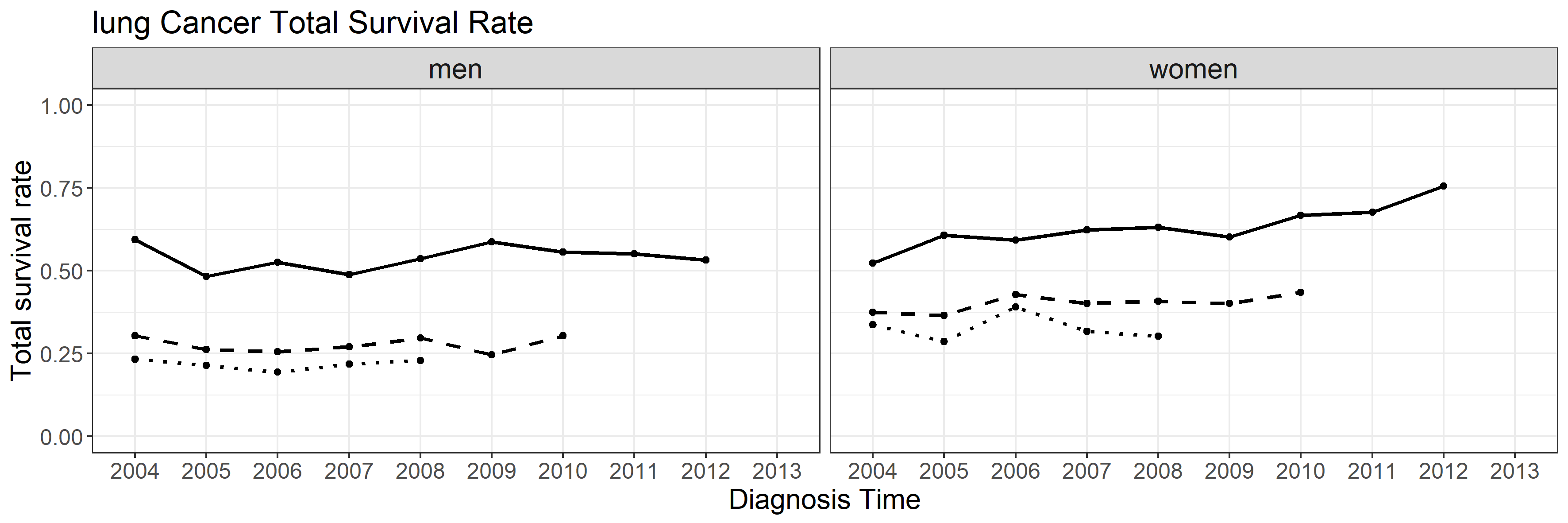
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| genderConceptId | age | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1965 | 1970 | 1975 | 1980 |
| men | 30 | NA | NA | NA | NA | NA | NA | 17.73 | 30.74 | 30.93 | 18.70 |
| men | 40 | NA | NA | NA | NA | 29.49 | 28.98 | 51.97 | 61.03 | NA | NA |
| men | 50 | NA | NA | NA | 26.39 | 48.03 | 47.86 | NA | NA | NA | NA |
| men | 60 | NA | NA | 33.76 | 48.49 | 40.64 | NA | NA | NA | NA | NA |
| men | 70 | NA | 82.03 | 68.37 | 67.66 | NA | NA | NA | NA | NA | NA |
| men | 80 | 1063.83 | 180.18 | 122.70 | NA | NA | NA | NA | NA | NA | NA |
| women | 30 | NA | NA | NA | NA | NA | NA | 49.82 | 108.98 | 104.11 | 113.78 |
| women | 40 | NA | NA | NA | NA | 126.35 | 150.57 | 170.99 | 201.58 | NA | NA |
| women | 50 | NA | NA | NA | 102.66 | 216.05 | 246.05 | NA | NA | NA | NA |
| women | 60 | NA | NA | 58.27 | 144.87 | 206.71 | NA | NA | NA | NA | NA |
| women | 70 | NA | 94.71 | 79.39 | 123.09 | NA | NA | NA | NA | NA | NA |
| women | 80 | 229.89 | 94.20 | 53.25 | NA | NA | NA | NA | NA | NA | NA |

# **Survival Rate**

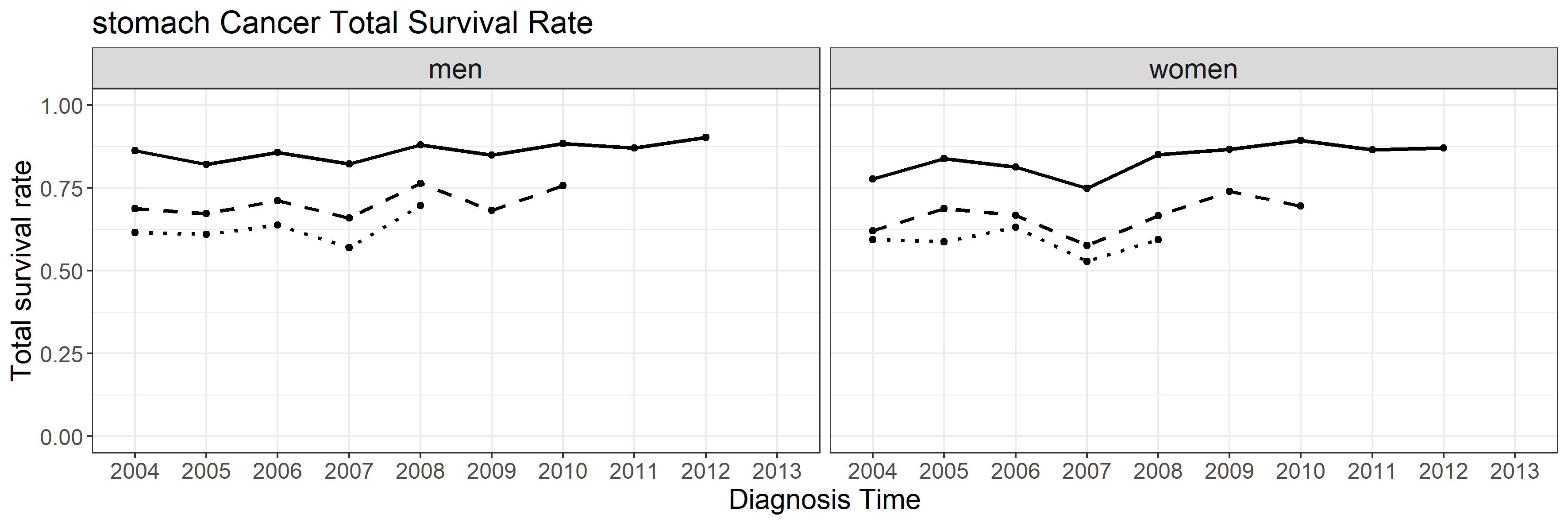
### 1,3,5 year Survival Rate (Relative)

1. colon cancer 

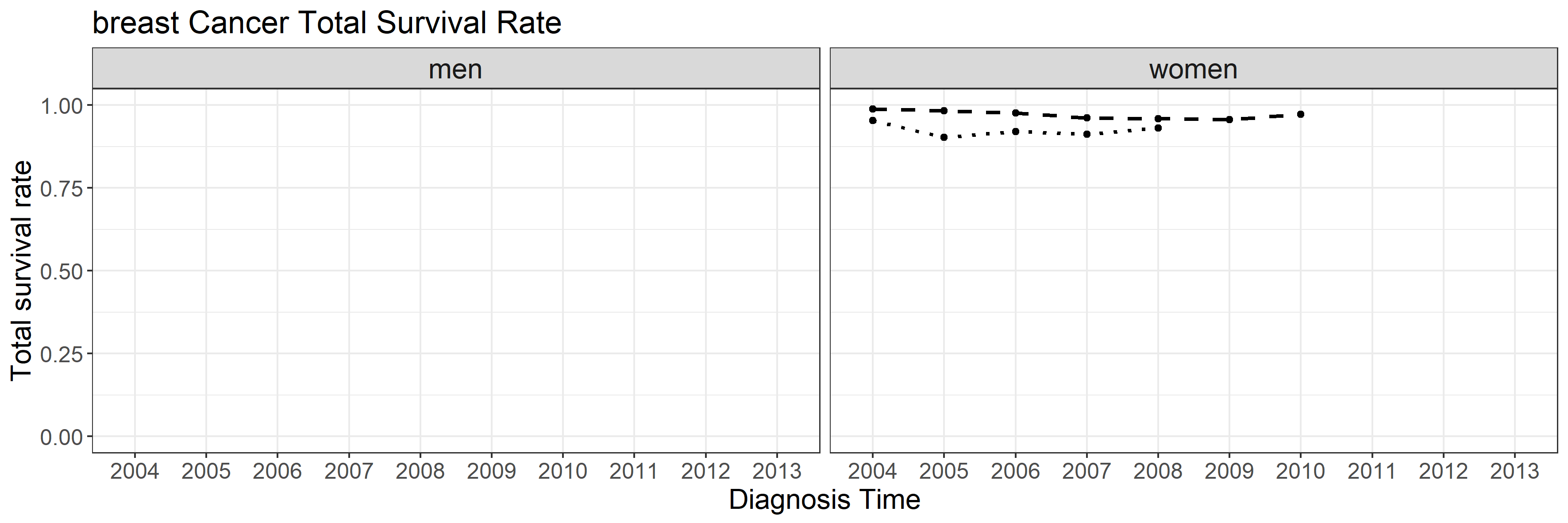
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| value | gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| relativesurvival1Yr | men | 0.945 | 0.896 | 0.949 | 0.933 | 0.919 | 0.957 | 0.940 | 0.914 | 0.950 | NA |
| relativesurvival1Yr | women | 0.906 | 0.908 | 0.867 | 0.904 | 0.890 | 0.921 | 0.890 | 0.864 | 0.892 | NA |
| relativesurvival3Yr | men | 0.745 | 0.747 | 0.815 | 0.763 | 0.738 | 0.789 | 0.776 | NA | NA | NA |
| relativesurvival3Yr | women | 0.724 | 0.754 | 0.713 | 0.736 | 0.748 | 0.773 | 0.720 | NA | NA | NA |
| relativesurvival5Yr | men | 0.647 | 0.654 | 0.745 | 0.710 | 0.666 | NA | NA | NA | NA | NA |
| relativesurvival5Yr | women | 0.600 | 0.652 | 0.648 | 0.665 | 0.679 | NA | NA | NA | NA | NA |

1. lung cancer 

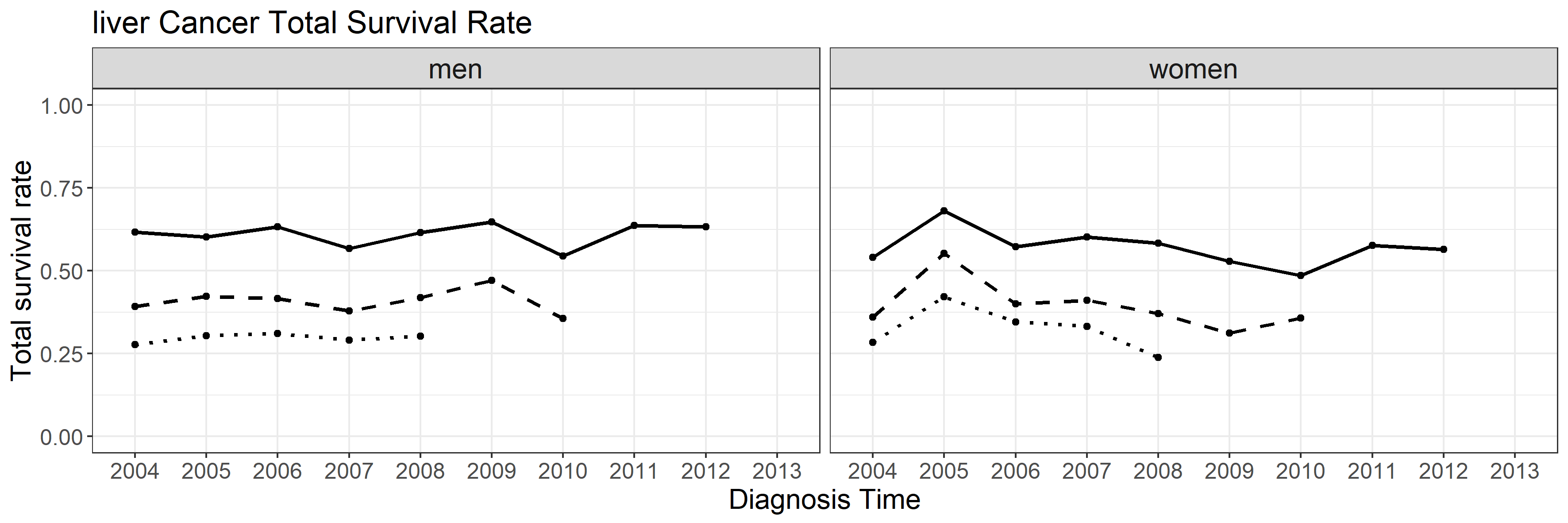
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| value | gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| relativesurvival1Yr | men | 0.594 | 0.484 | 0.526 | 0.488 | 0.537 | 0.587 | 0.557 | 0.551 | 0.532 | NA |
| relativesurvival1Yr | women | 0.524 | 0.608 | 0.593 | 0.623 | 0.631 | 0.602 | 0.667 | 0.677 | 0.756 | NA |
| relativesurvival3Yr | men | 0.304 | 0.263 | 0.256 | 0.270 | 0.297 | 0.246 | 0.304 | NA | NA | NA |
| relativesurvival3Yr | women | 0.374 | 0.365 | 0.428 | 0.401 | 0.407 | 0.402 | 0.435 | NA | NA | NA |
| relativesurvival5Yr | men | 0.234 | 0.214 | 0.194 | 0.218 | 0.229 | NA | NA | NA | NA | NA |
| relativesurvival5Yr | women | 0.337 | 0.286 | 0.390 | 0.317 | 0.303 | NA | NA | NA | NA | NA |

1. stomach cancer 

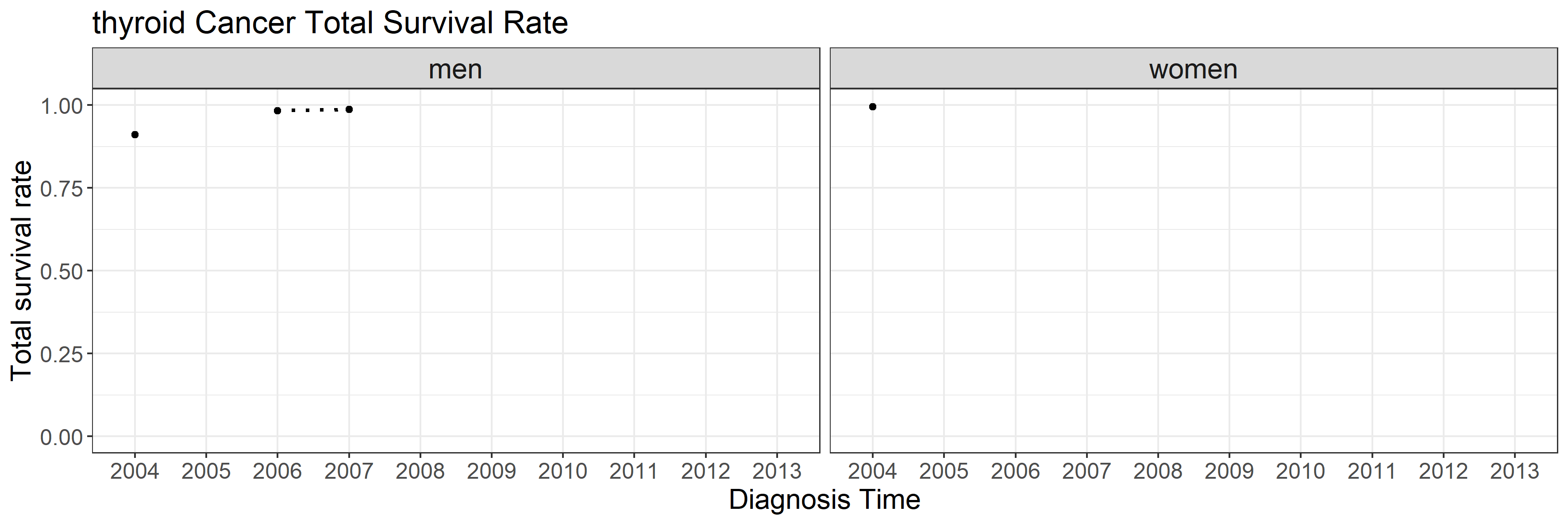
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| value | gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| relativesurvival1Yr | men | 0.862 | 0.821 | 0.858 | 0.822 | 0.879 | 0.849 | 0.884 | 0.871 | 0.902 | NA |
| relativesurvival1Yr | women | 0.777 | 0.838 | 0.813 | 0.749 | 0.851 | 0.867 | 0.893 | 0.865 | 0.870 | NA |
| relativesurvival3Yr | men | 0.688 | 0.672 | 0.712 | 0.659 | 0.763 | 0.682 | 0.756 | NA | NA | NA |
| relativesurvival3Yr | women | 0.620 | 0.687 | 0.667 | 0.576 | 0.666 | 0.740 | 0.696 | NA | NA | NA |
| relativesurvival5Yr | men | 0.615 | 0.609 | 0.639 | 0.570 | 0.696 | NA | NA | NA | NA | NA |
| relativesurvival5Yr | women | 0.594 | 0.587 | 0.631 | 0.529 | 0.594 | NA | NA | NA | NA | NA |

1. breast cancer 

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| value | gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| relativesurvival1Yr | men | 1.063 | 1.062 | 1.062 | NA | 1.060 | 1.057 | 1.057 | 1.058 | 1.057 | NA |
| relativesurvival1Yr | women | 1.034 | 1.019 | 1.034 | 1.024 | 1.010 | 1.012 | 1.016 | 1.016 | 1.024 | NA |
| relativesurvival3Yr | men | 1.063 | 1.062 | 1.062 | NA | 1.060 | 1.057 | 1.057 | NA | NA | NA |
| relativesurvival3Yr | women | 0.988 | 0.983 | 0.976 | 0.961 | 0.959 | 0.956 | 0.972 | NA | NA | NA |
| relativesurvival5Yr | men | 1.063 | 1.062 | 1.062 | NA | 1.060 | NA | NA | NA | NA | NA |
| relativesurvival5Yr | women | 0.953 | 0.903 | 0.920 | 0.912 | 0.931 | NA | NA | NA | NA | NA |

1. liver cancer 

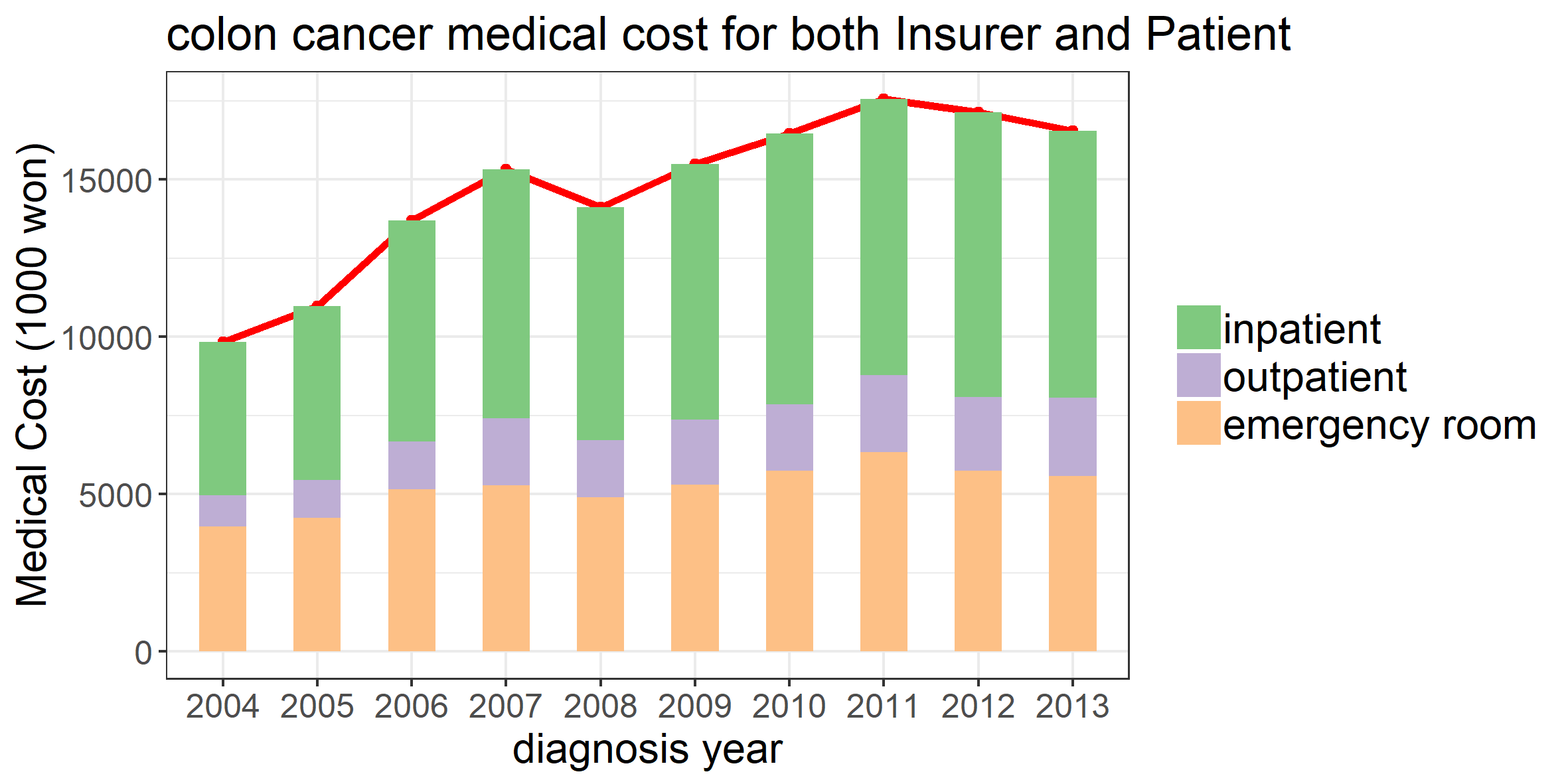
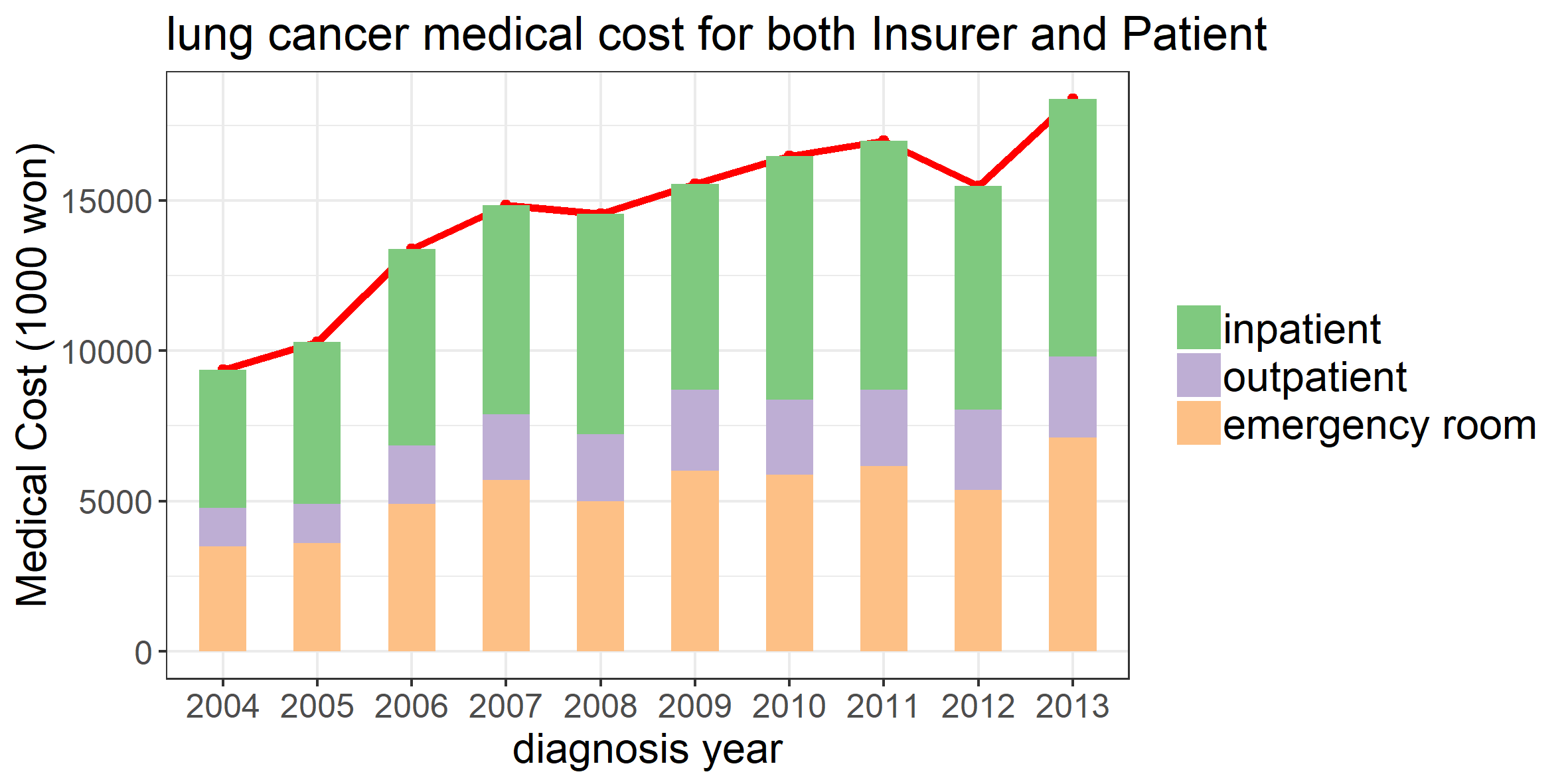
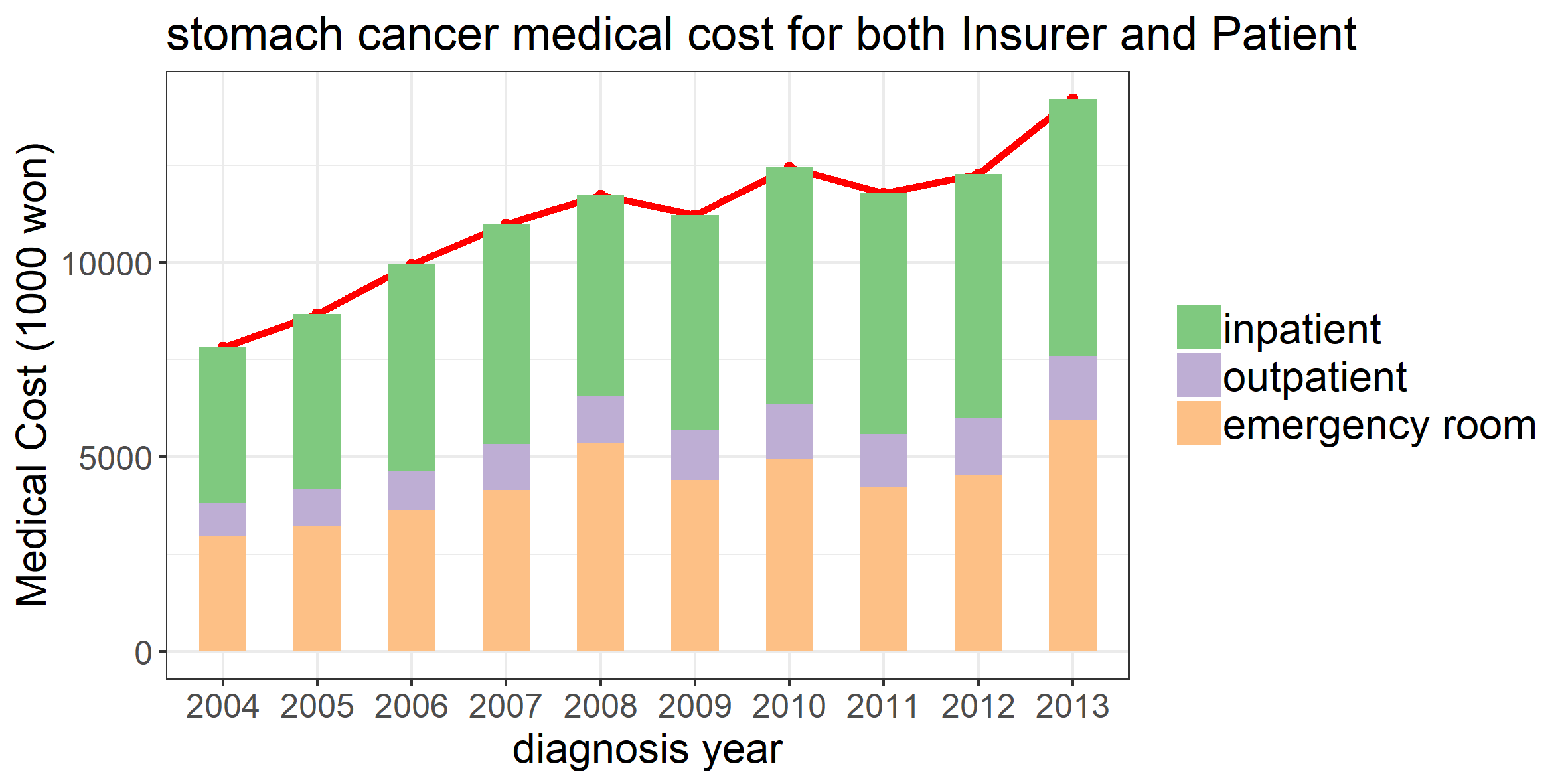
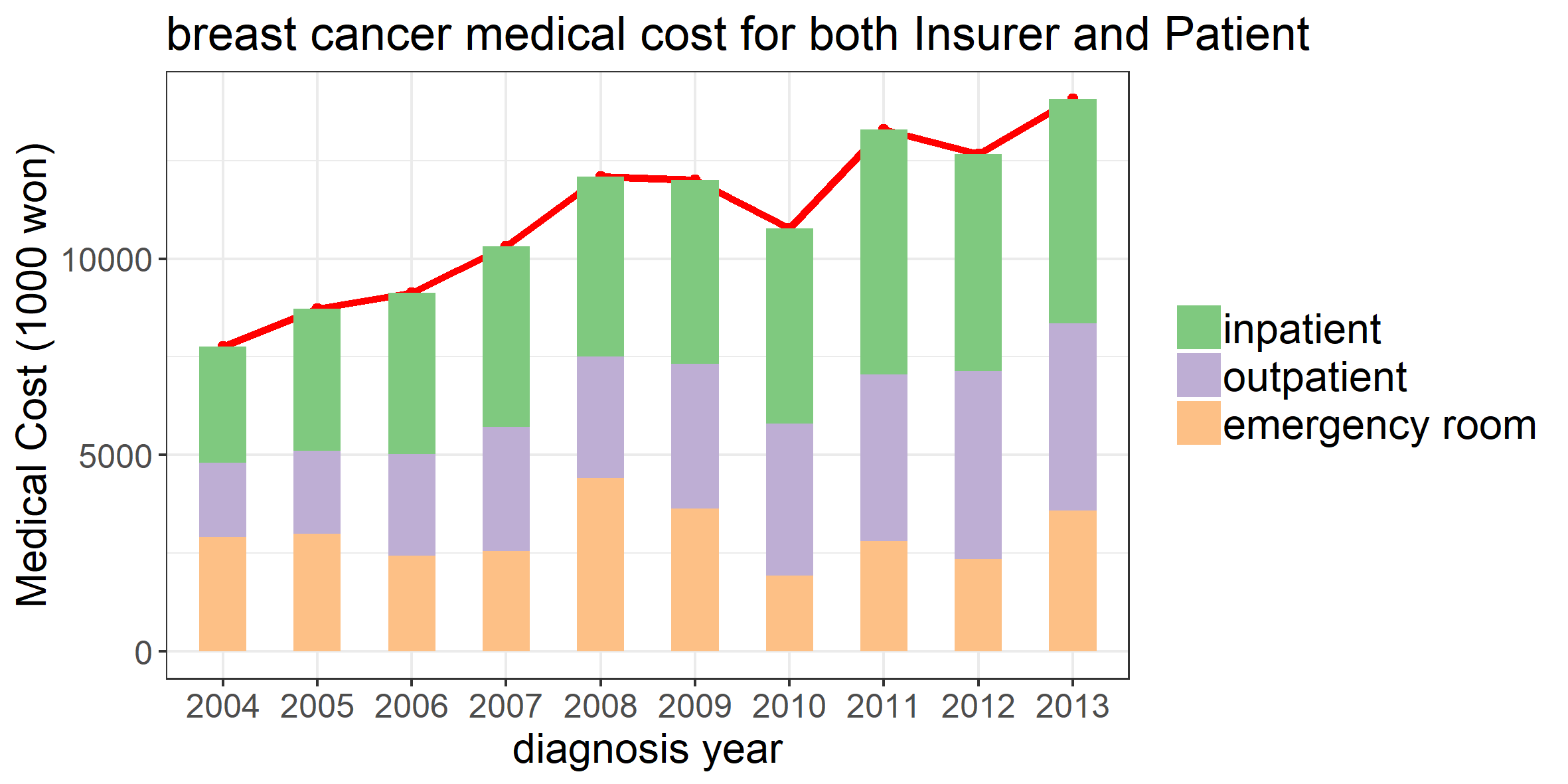
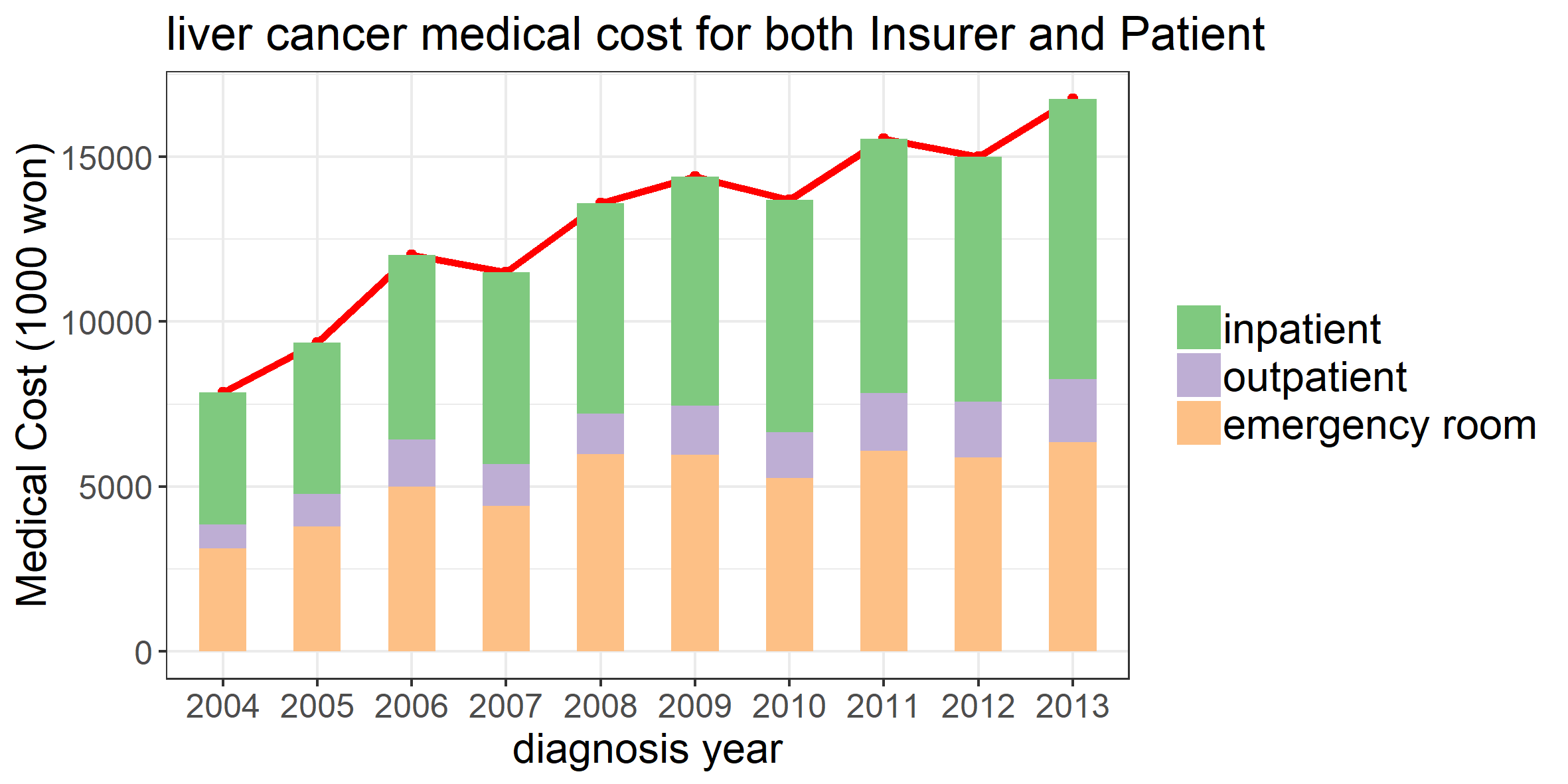
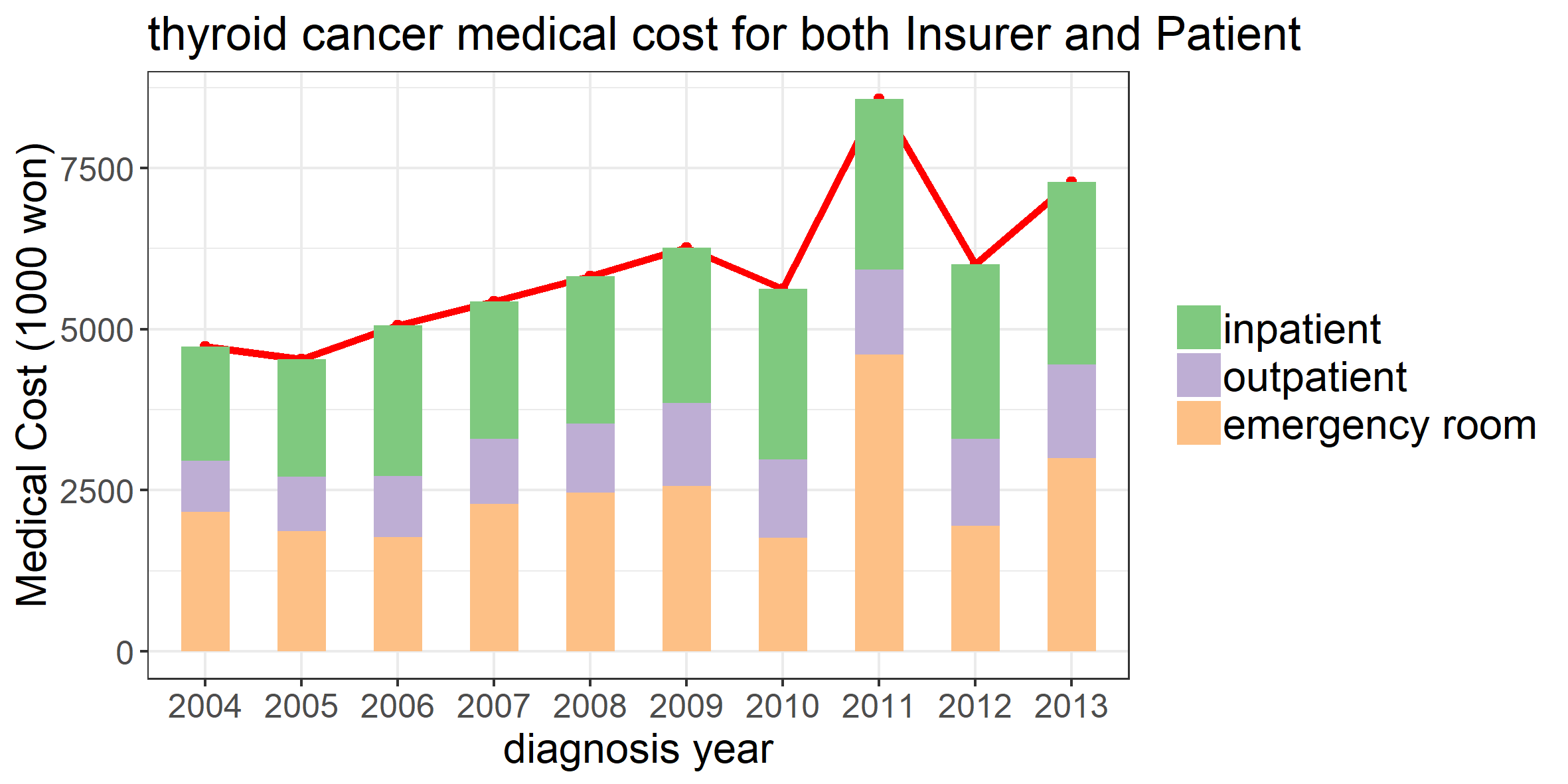
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| value | gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| relativesurvival1Yr | men | 0.617 | 0.602 | 0.633 | 0.568 | 0.615 | 0.647 | 0.545 | 0.636 | 0.633 | NA |
| relativesurvival1Yr | women | 0.540 | 0.681 | 0.572 | 0.602 | 0.583 | 0.529 | 0.486 | 0.577 | 0.564 | NA |
| relativesurvival3Yr | men | 0.392 | 0.423 | 0.416 | 0.378 | 0.419 | 0.471 | 0.356 | NA | NA | NA |
| relativesurvival3Yr | women | 0.360 | 0.553 | 0.399 | 0.411 | 0.371 | 0.312 | 0.357 | NA | NA | NA |
| relativesurvival5Yr | men | 0.277 | 0.304 | 0.311 | 0.290 | 0.303 | NA | NA | NA | NA | NA |
| relativesurvival5Yr | women | 0.284 | 0.422 | 0.345 | 0.332 | 0.238 | NA | NA | NA | NA | NA |

1. thyroid cancer 

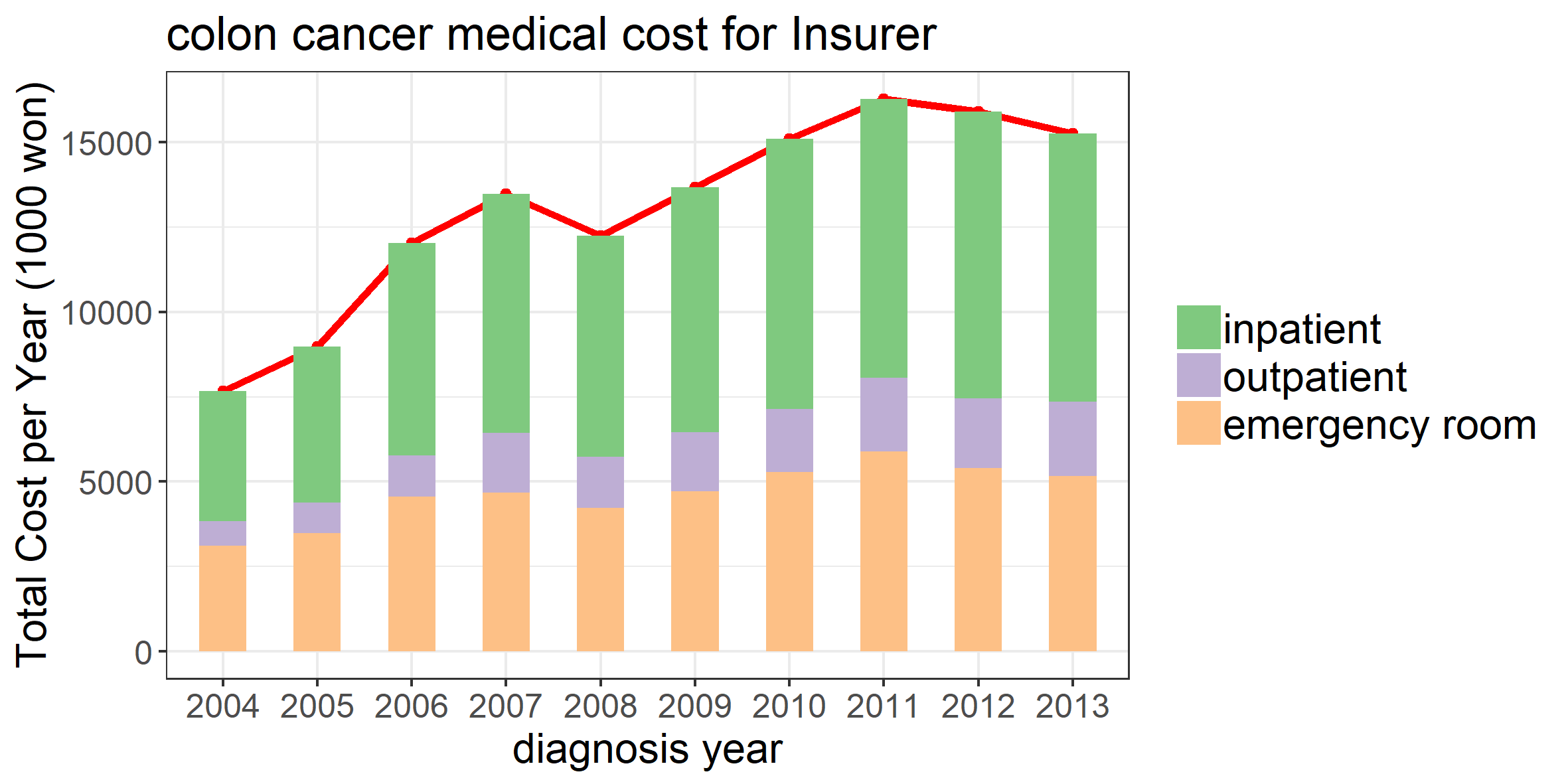
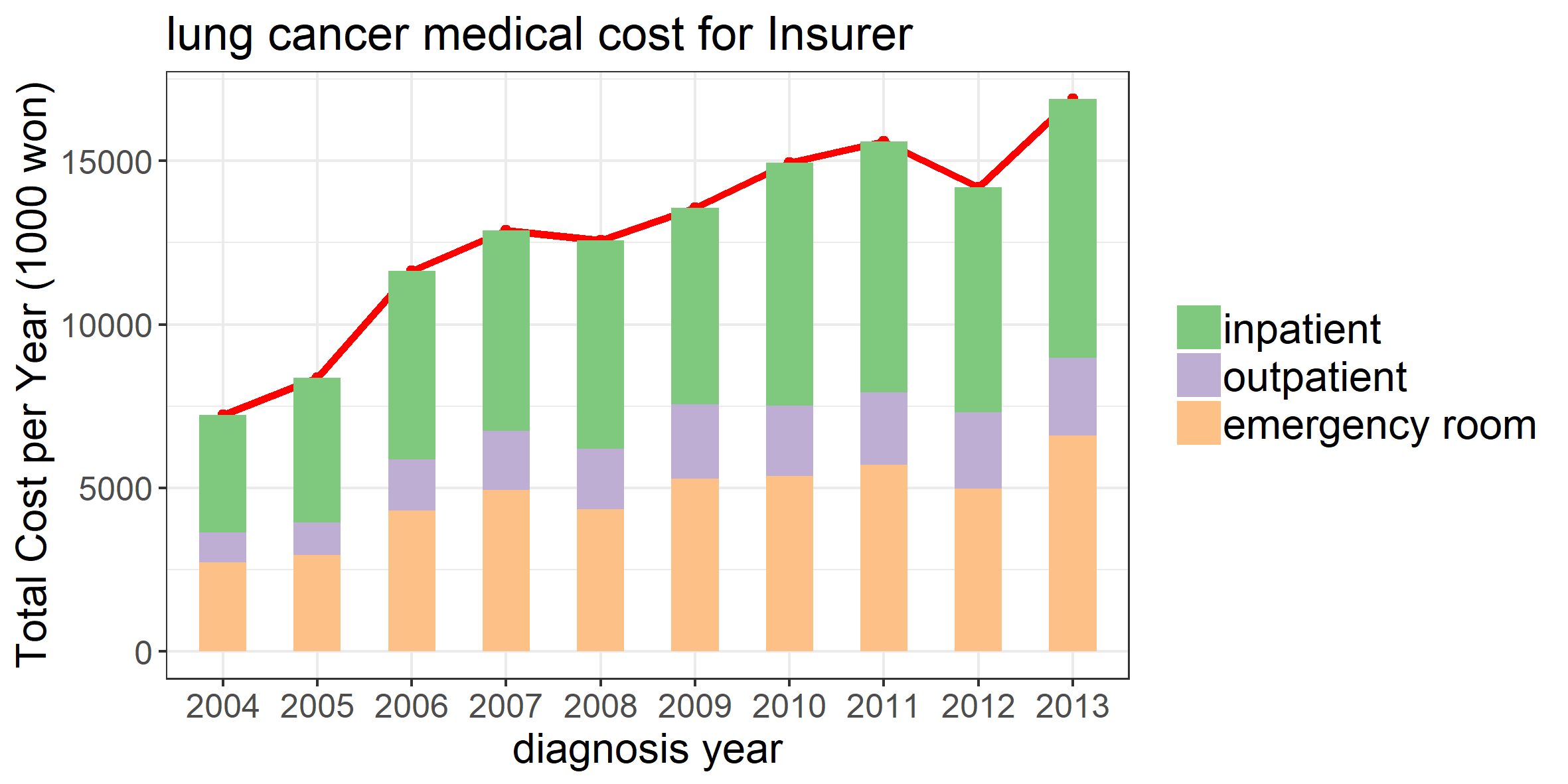
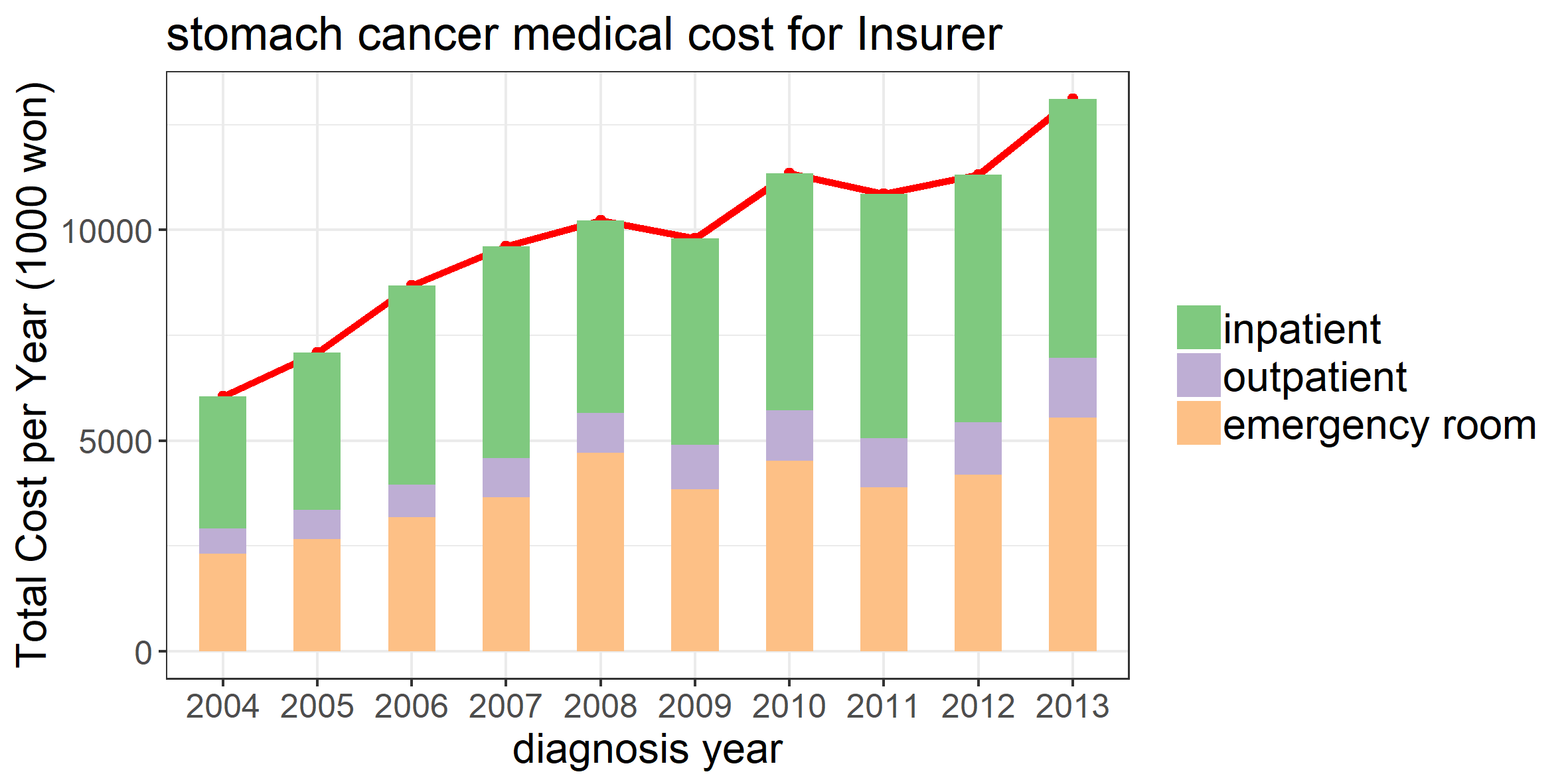
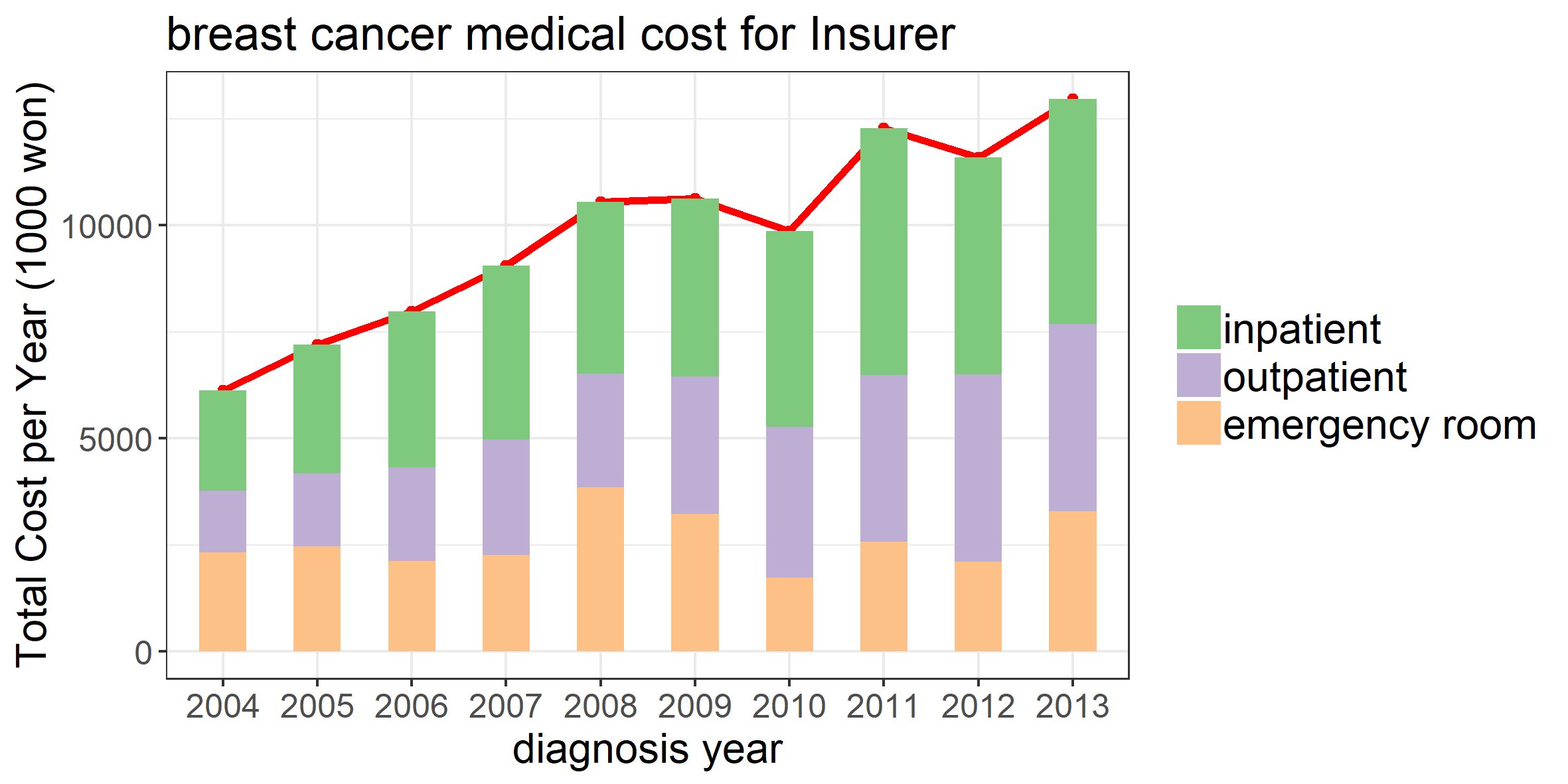
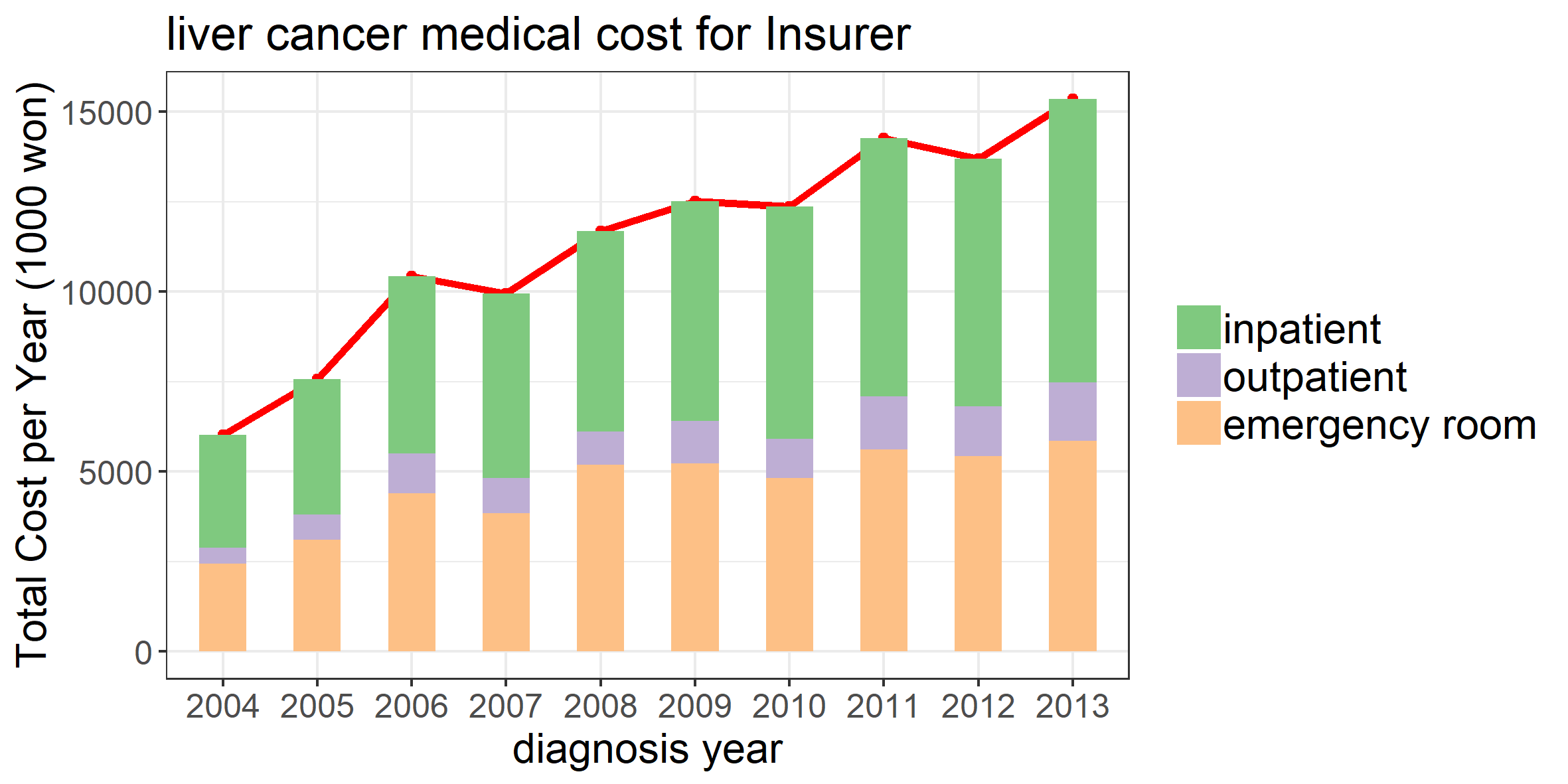
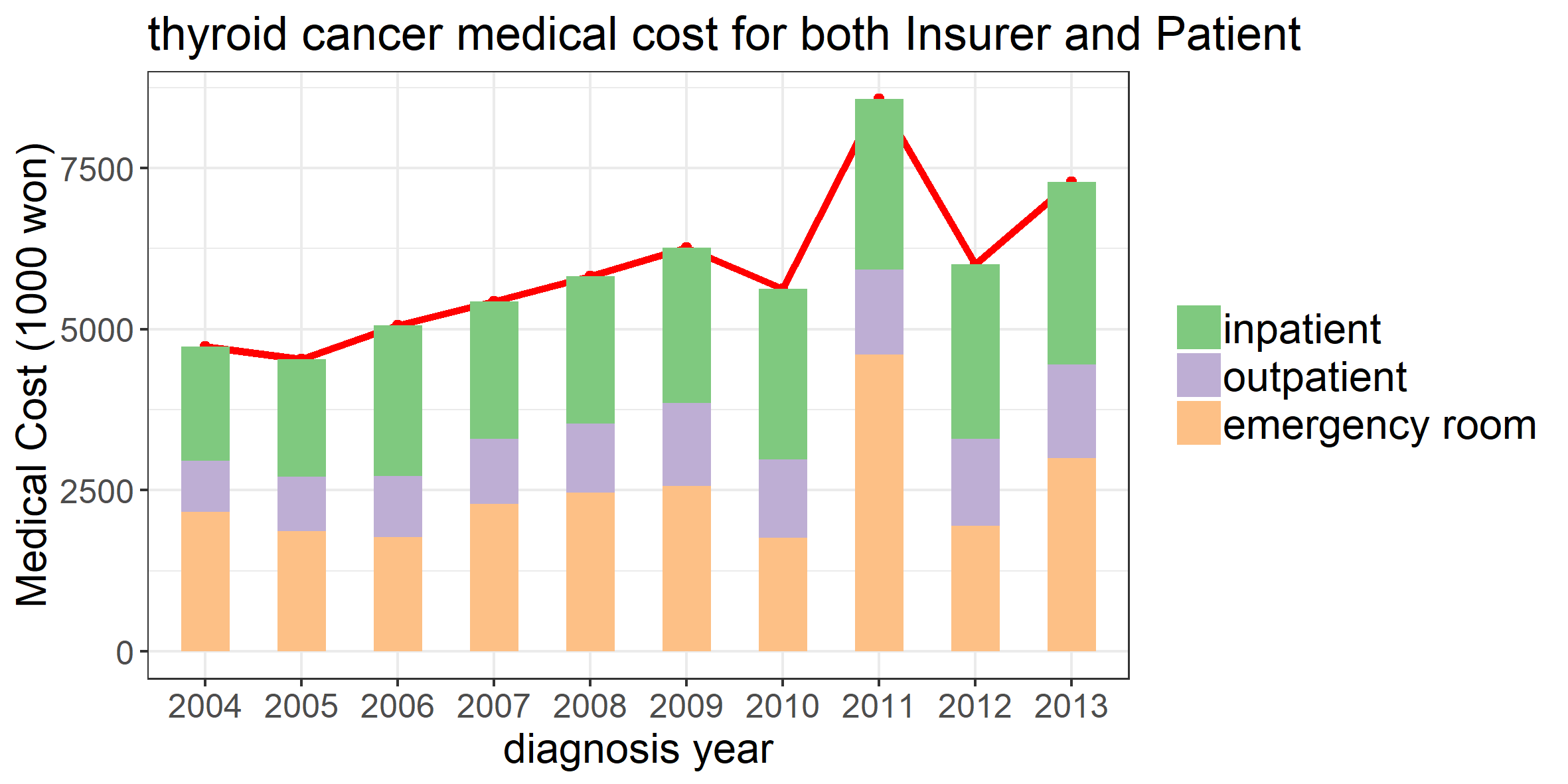
|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| value | gender | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| relativesurvival1Yr | men | 1.063 | 1.031 | 1.036 | 1.006 | 1.033 | 1.036 | 1.057 | 1.058 | 1.057 | NA |
| relativesurvival1Yr | women | 1.027 | 1.039 | 1.042 | 1.048 | 1.043 | 1.040 | 1.032 | 1.031 | 1.040 | NA |
| relativesurvival3Yr | men | 1.014 | 1.031 | 1.009 | 0.987 | 1.020 | 1.026 | 1.048 | NA | NA | NA |
| relativesurvival3Yr | women | 1.021 | 1.029 | 1.034 | 1.048 | 1.038 | 1.036 | 1.023 | NA | NA | NA |
| relativesurvival5Yr | men | 0.910 | 1.031 | 0.983 | 0.987 | 1.006 | NA | NA | NA | NA | NA |
| relativesurvival5Yr | women | 0.995 | 1.018 | 1.026 | 1.038 | 1.025 | NA | NA | NA | NA | NA |

# **Cost Analysis**

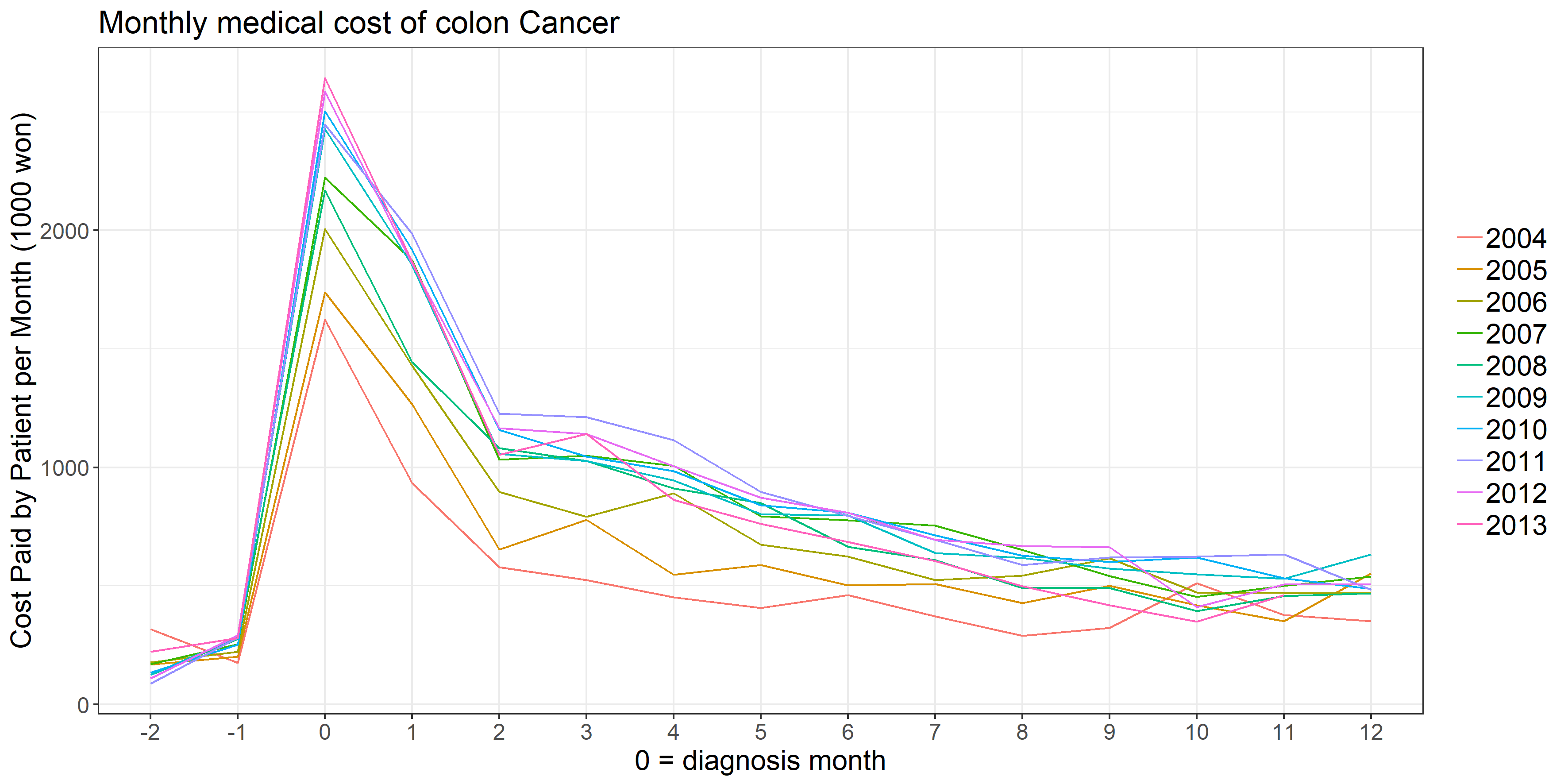
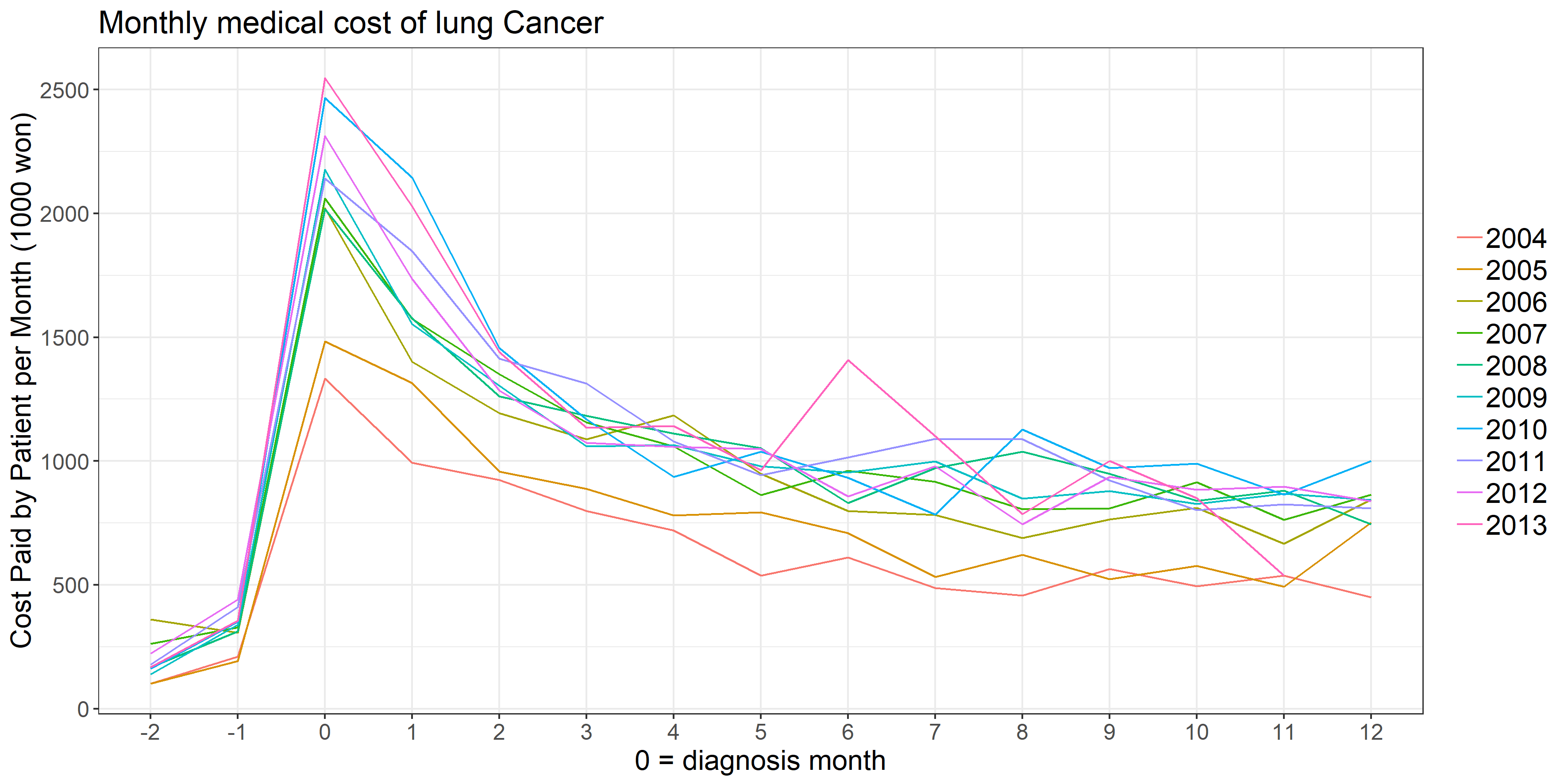
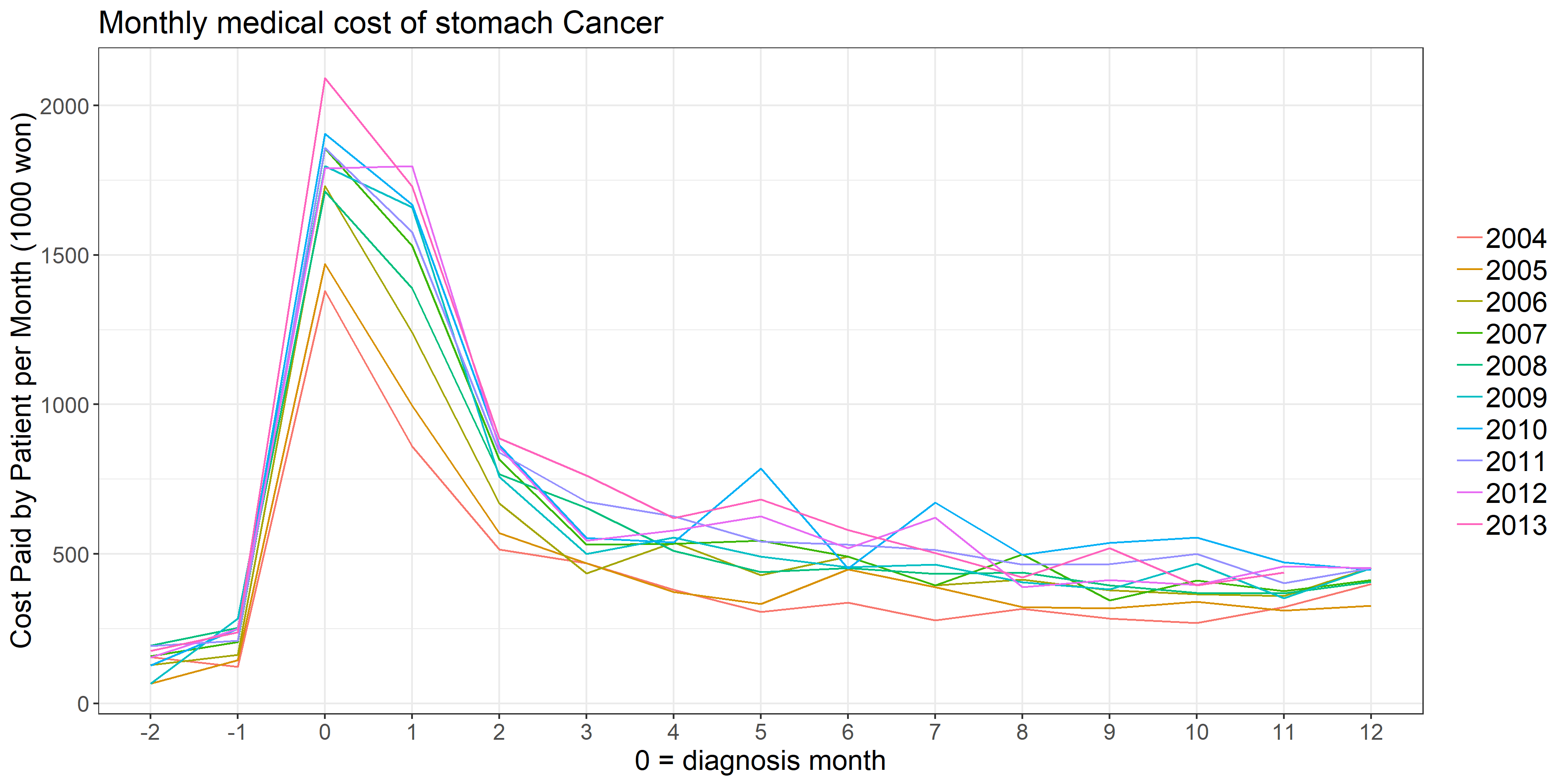
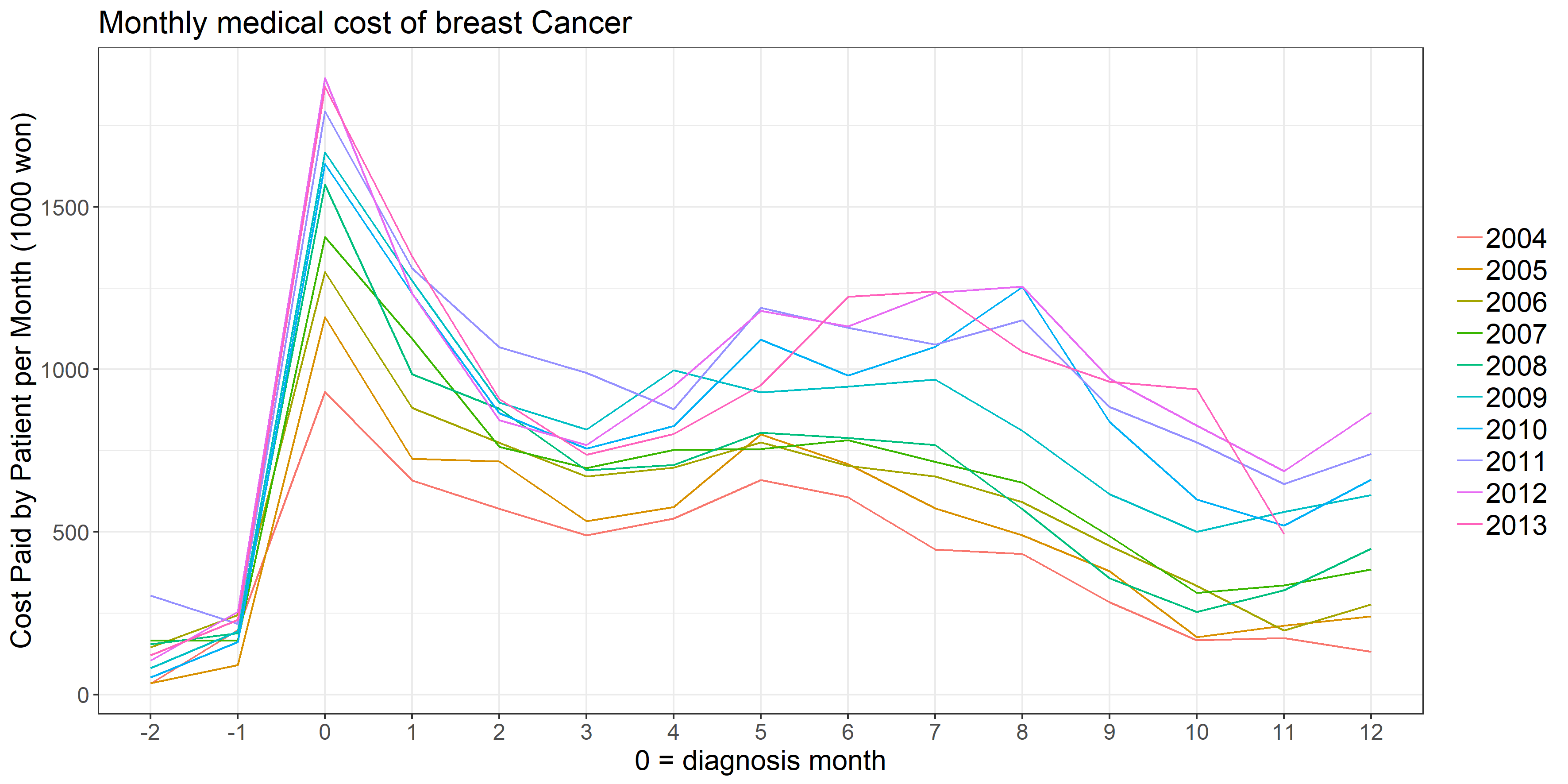
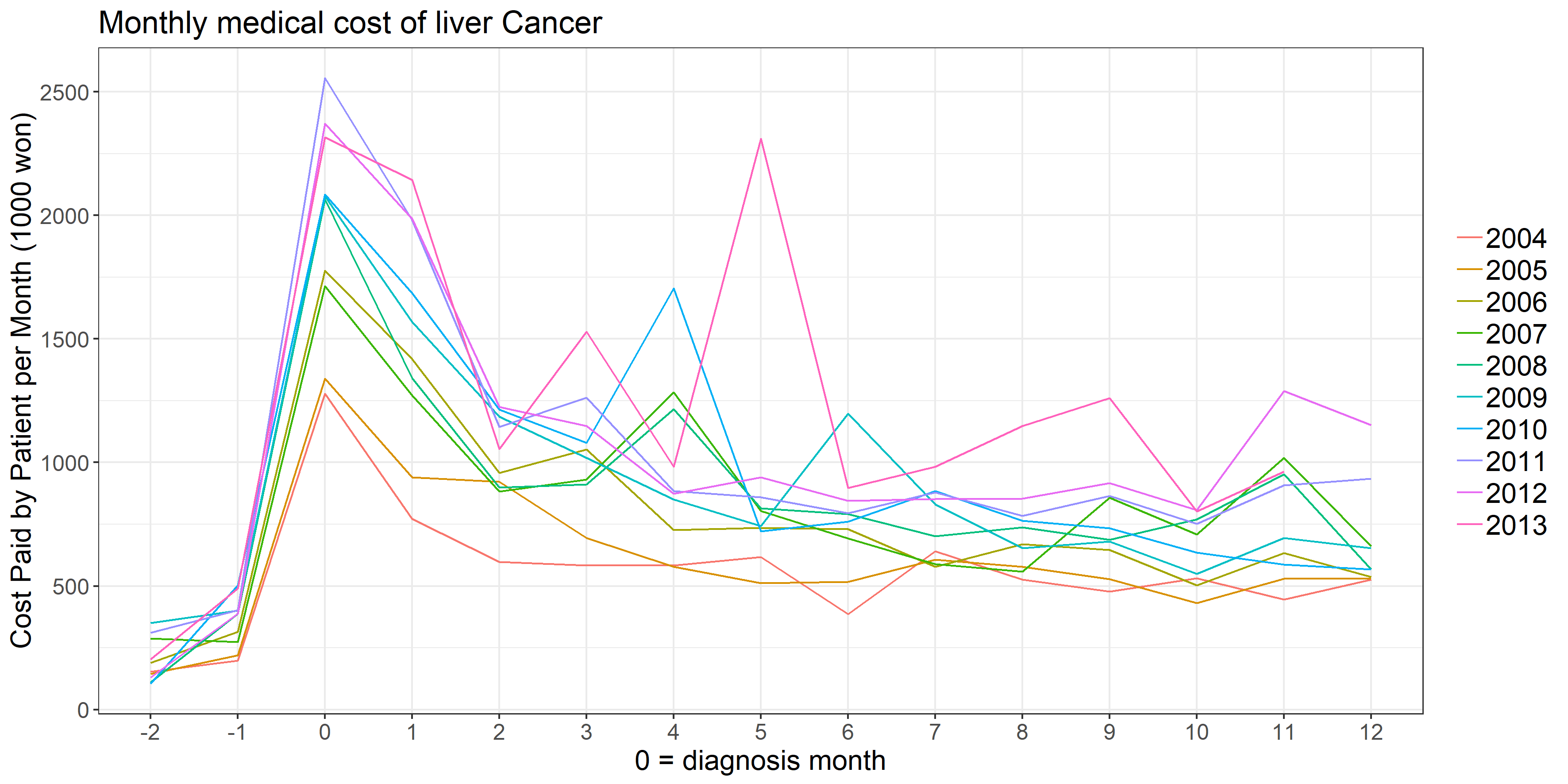
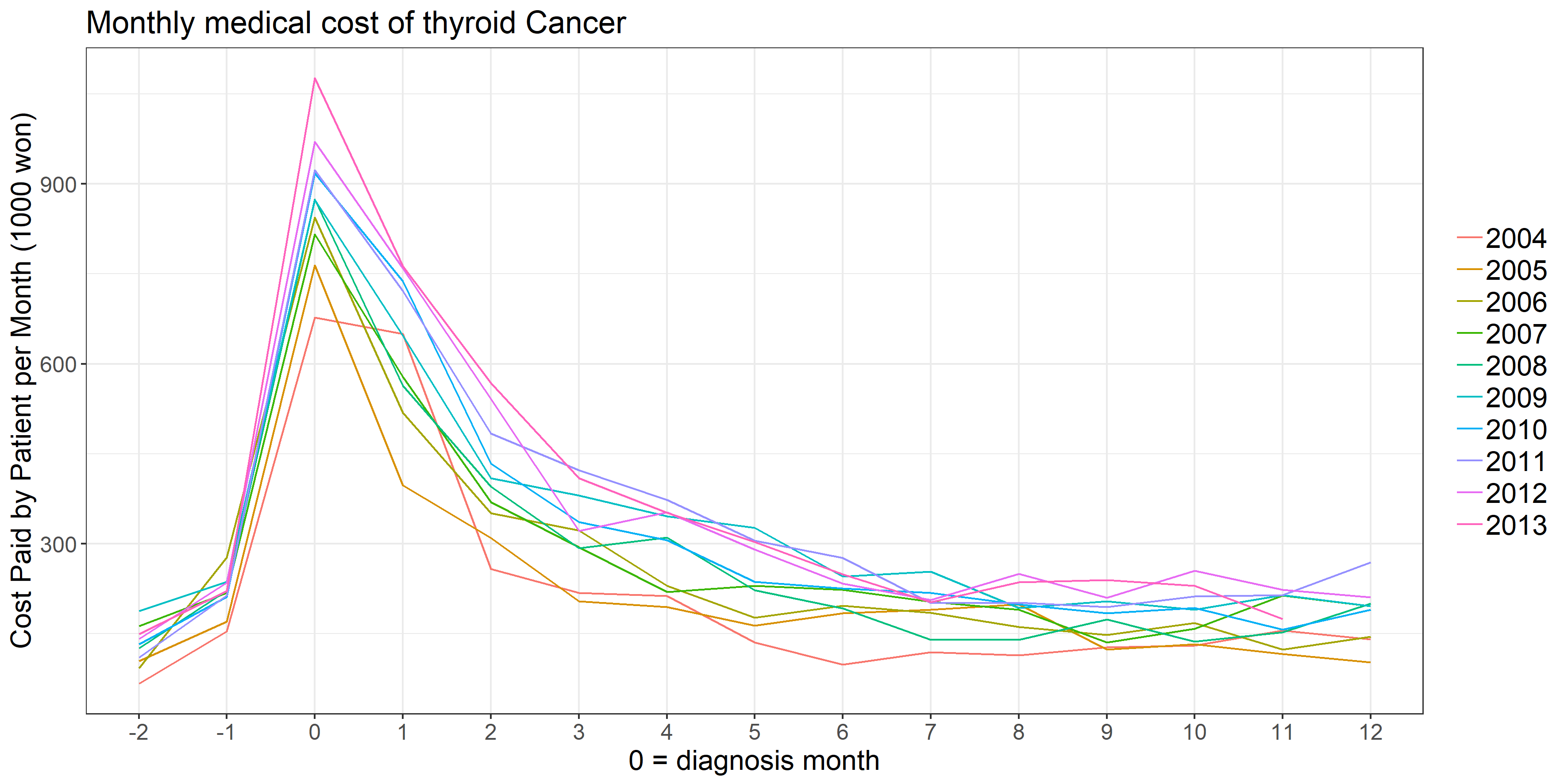
### Medical cost for both Insurer and Patient per year of diagnosis (won)

1. colon cancer 
2. lung cancer 
3. stomach cancer 
4. breast cancer 
5. liver cancer 
6. thyroid cancer 

### Medical cost for both Insurer per year of diagnosis (won)

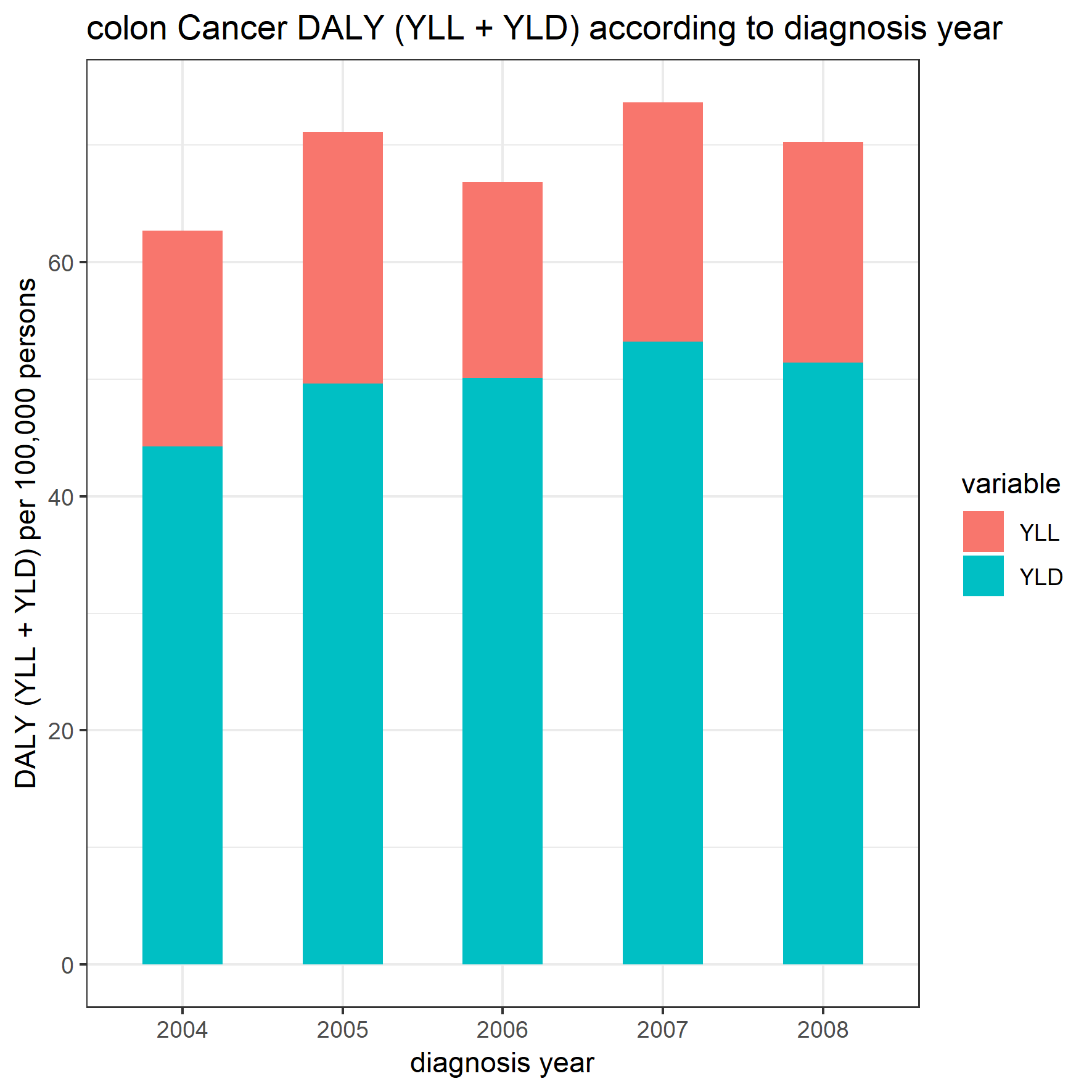
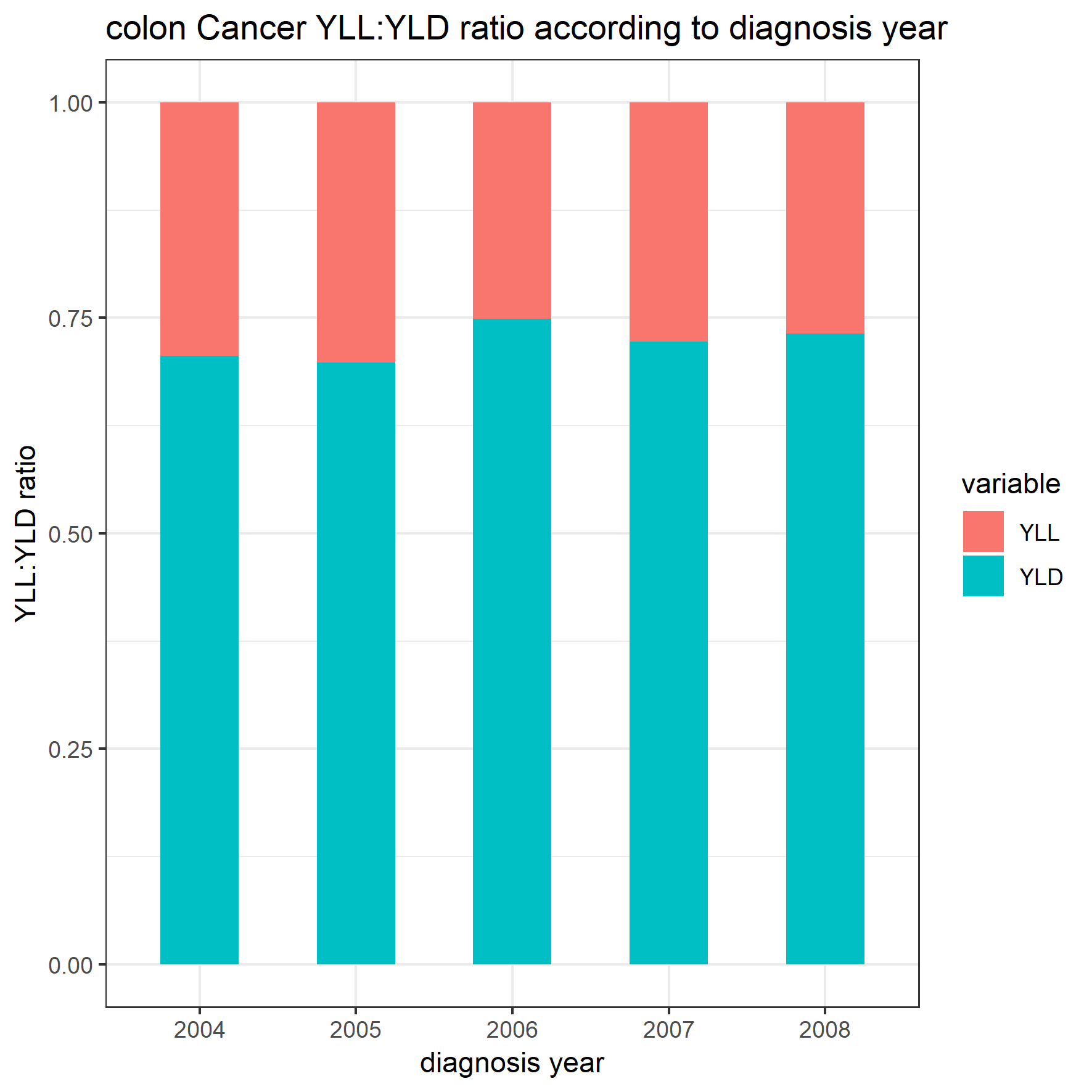
1. colon cancer 
2. lung cancer 
3. stomach cancer 
4. breast cancer 
5. liver cancer 
6. thyroid cancer 

### Monthly Medical cost from before 2 months and after 12 months diagnosis (won)

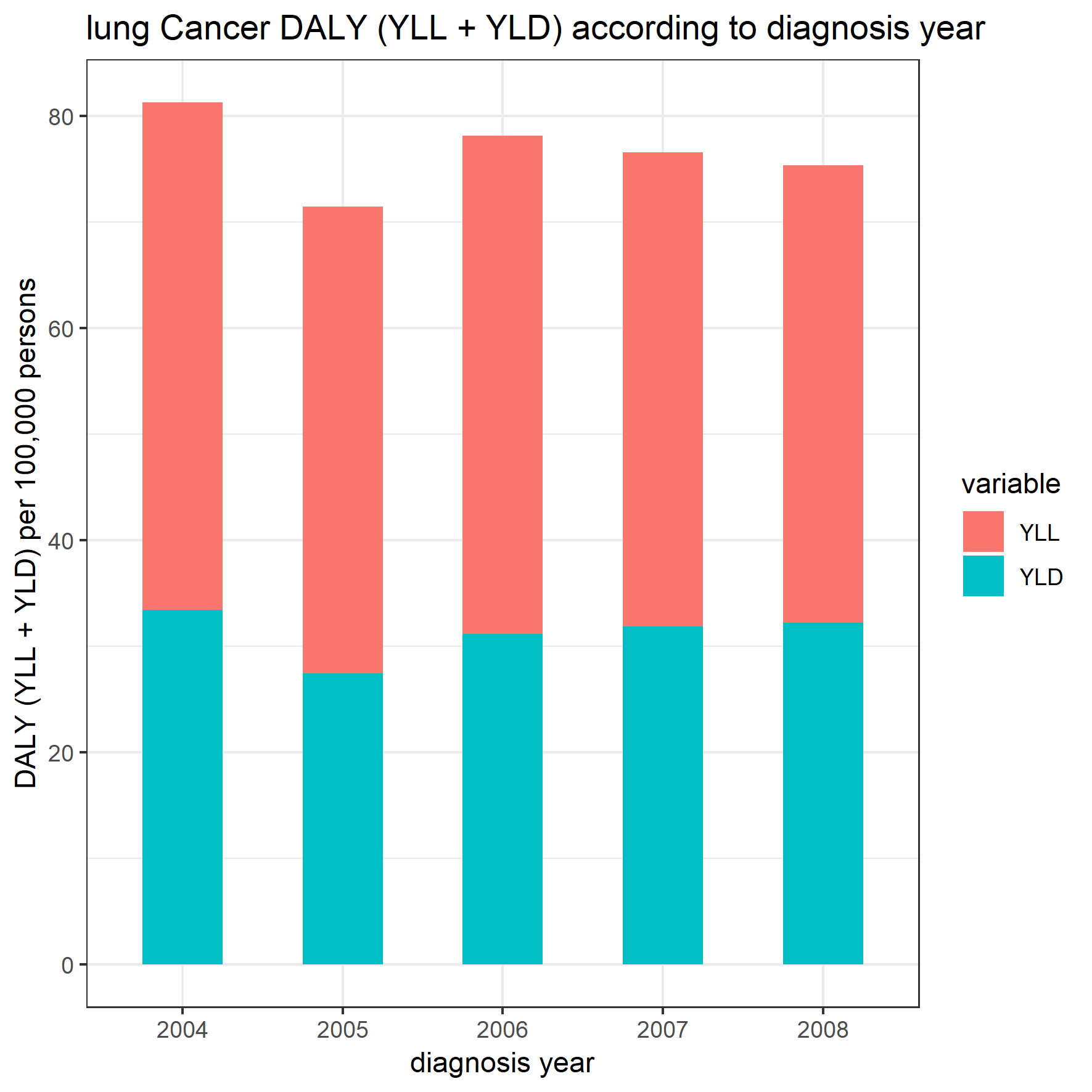
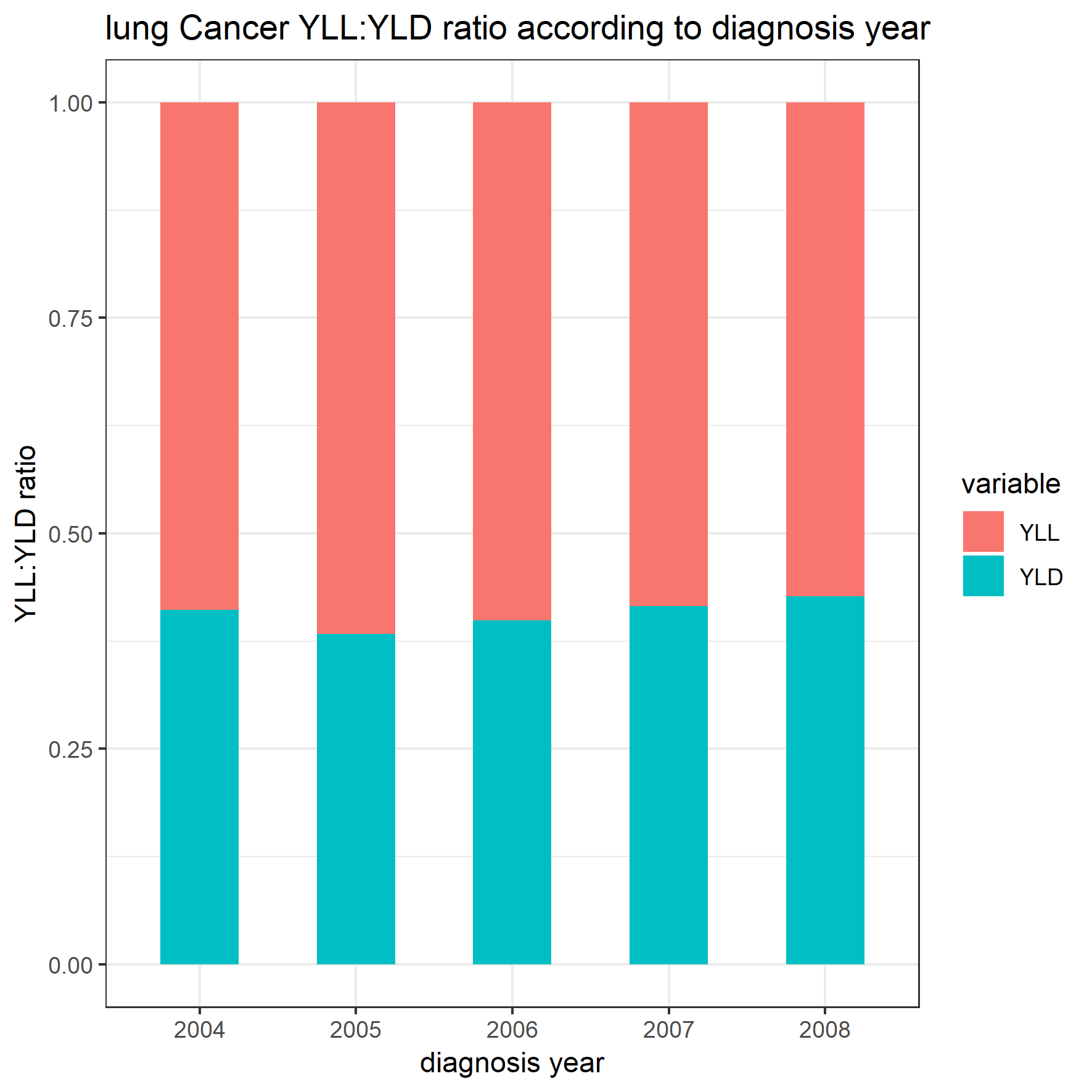
1. colon cancer 
2. lung cancer 
3. stomach cancer 
4. breast cancer 
5. liver cancer 
6. thyroid cancer 

# **DALY (disability adjusted year of life)**

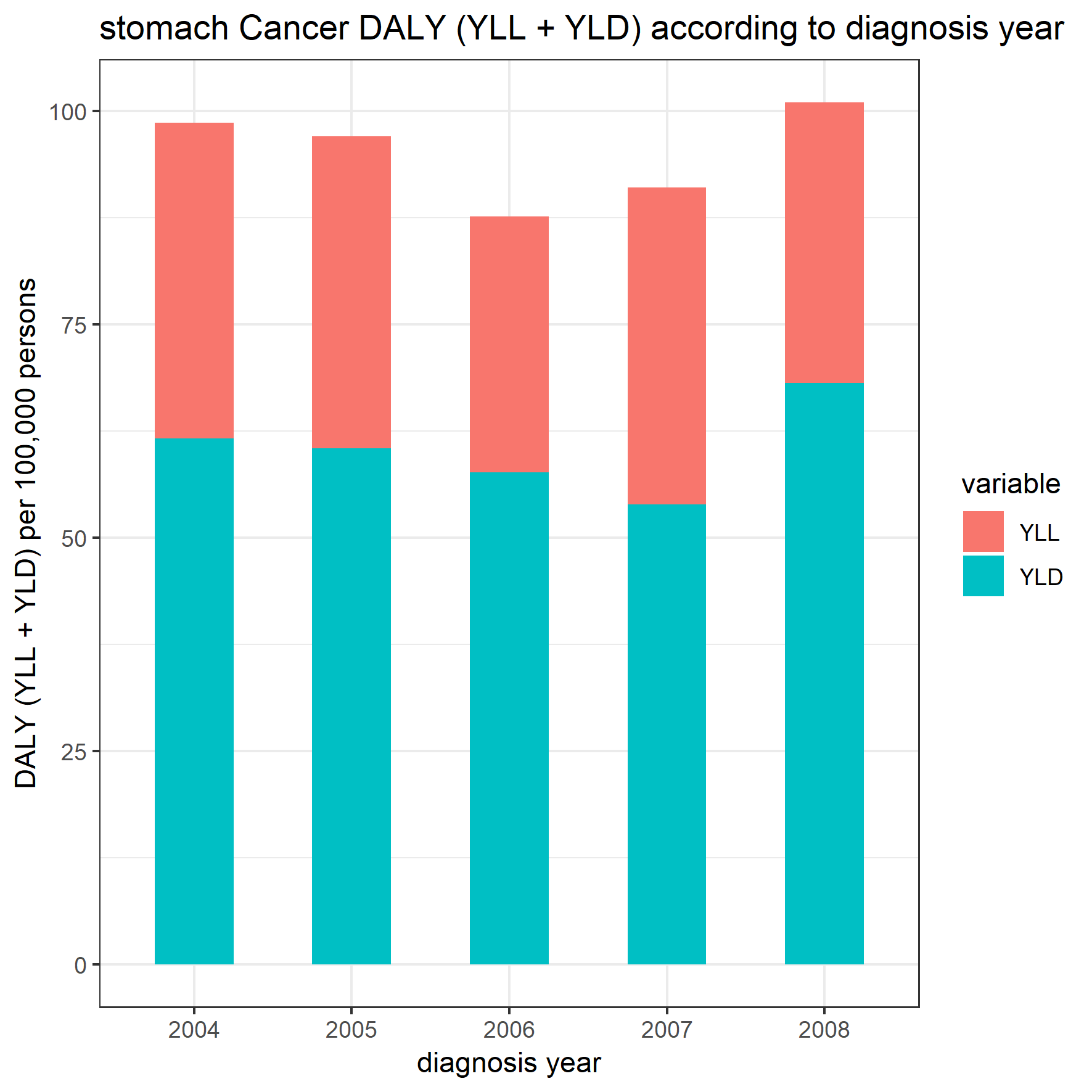
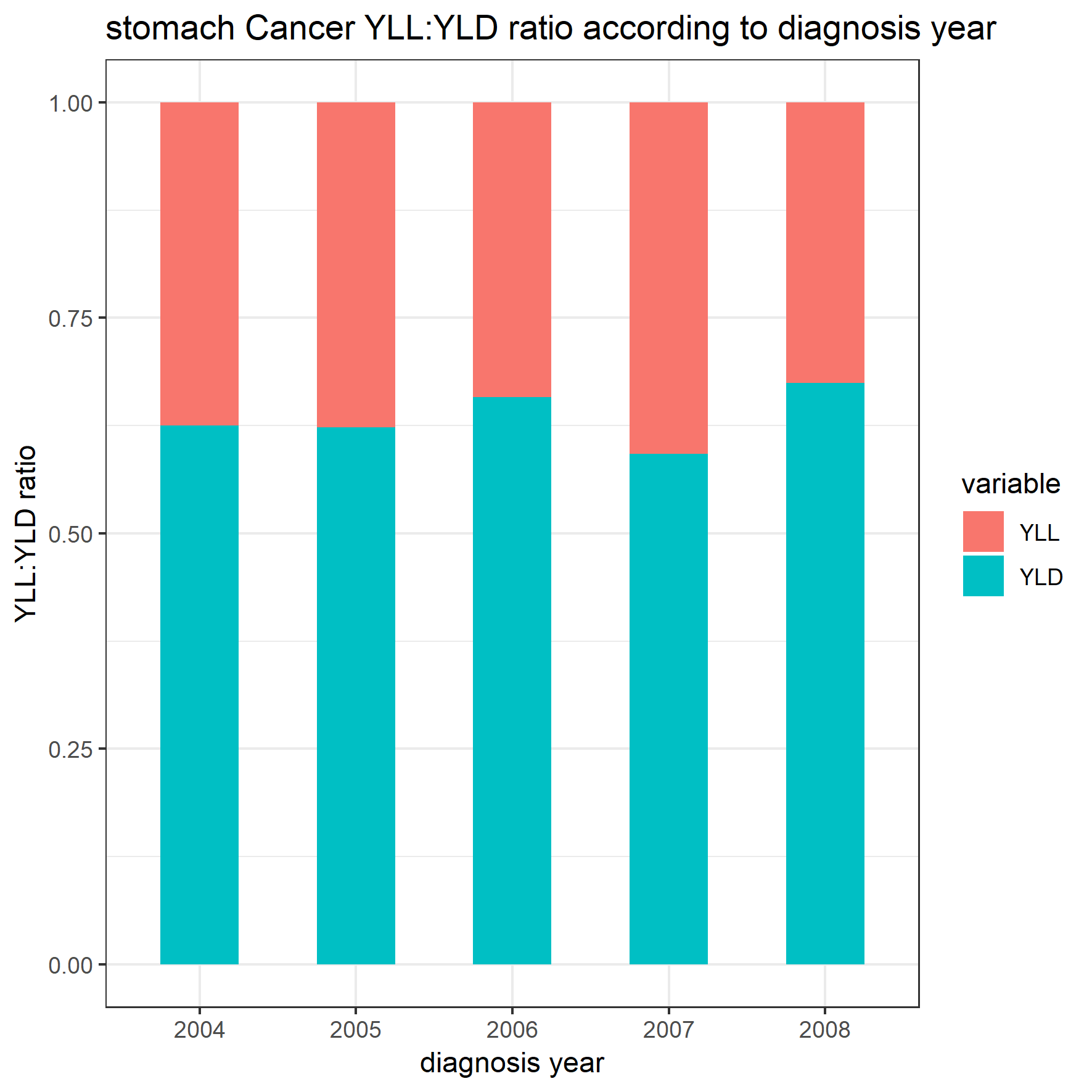
### DALY total and ratio result

1. colon cancer  

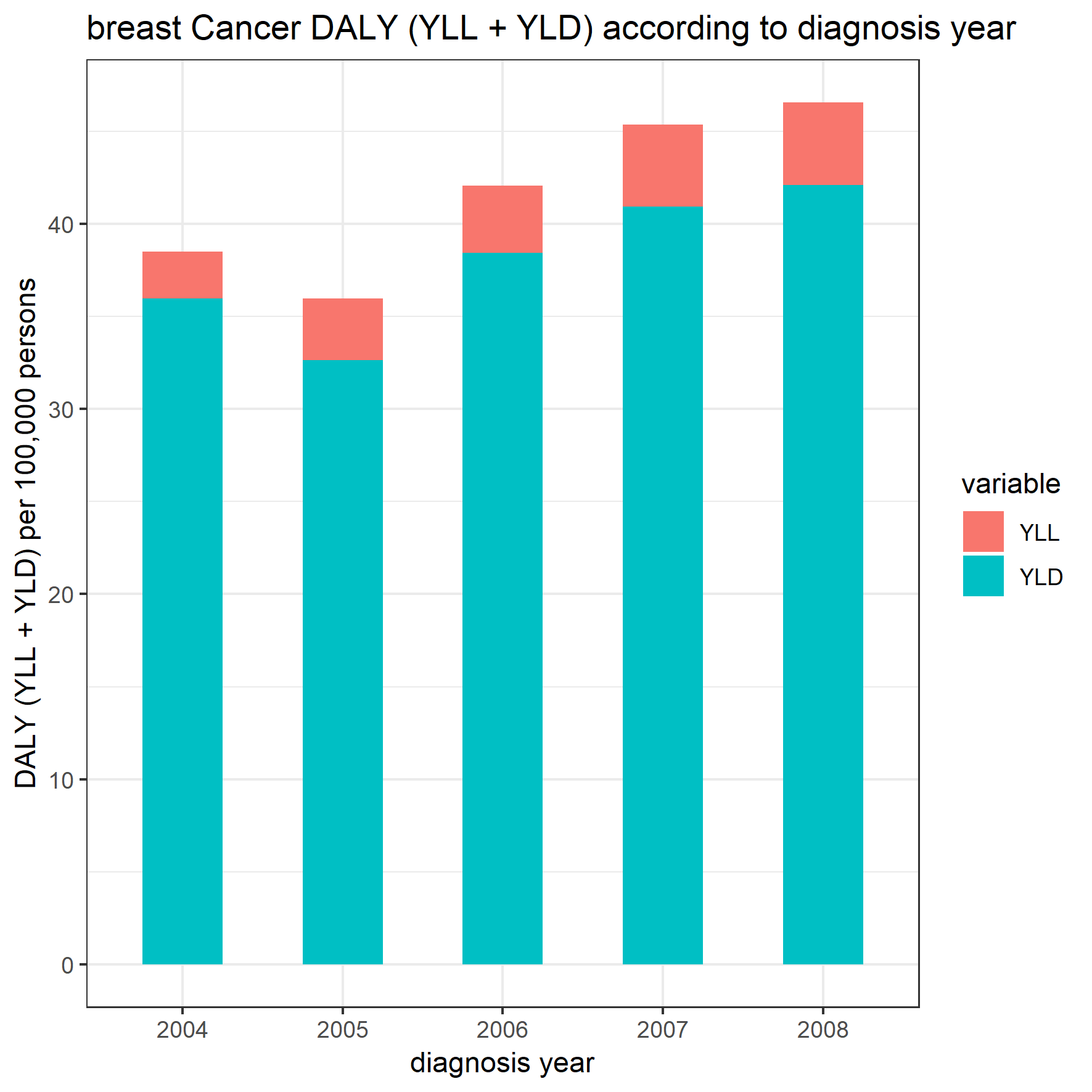
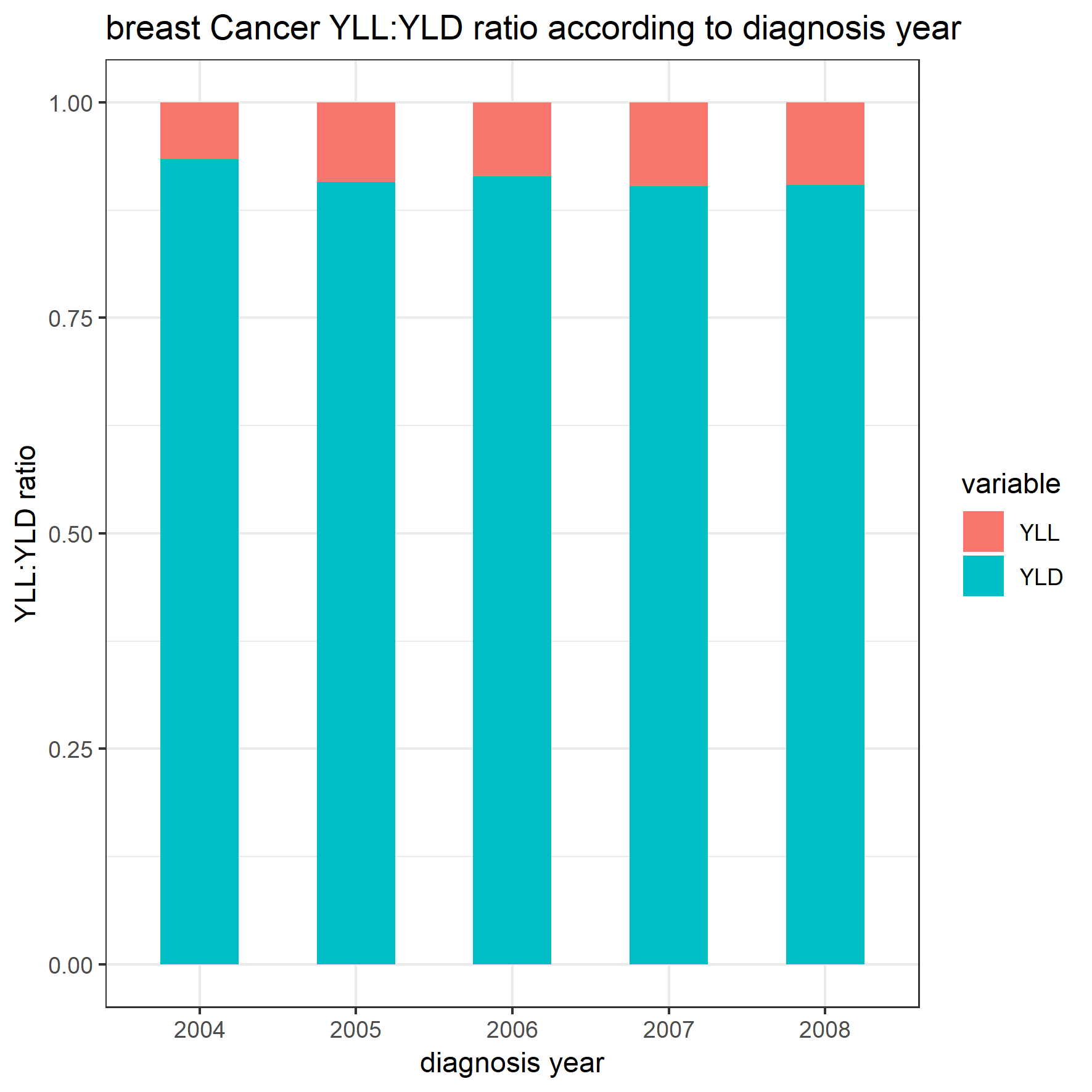
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| yldPerEvent | yllPerEvent | yldSum | yllSum | dalyPerEvent | dalySum |
| 0.1012377 | 0.0421903 | 442.7126 | 184.4981 | 0.1434280 | 627.2107 |
| 0.1134924 | 0.0491295 | 496.3023 | 214.8434 | 0.1626219 | 711.1457 |
| 0.1145504 | 0.0384089 | 500.9291 | 167.9623 | 0.1529594 | 668.8913 |
| 0.1216318 | 0.0468096 | 531.8959 | 204.6983 | 0.1684414 | 736.5942 |
| 0.1175442 | 0.0431401 | 514.0210 | 188.6518 | 0.1606844 | 702.6728 |

1. lung cancer  

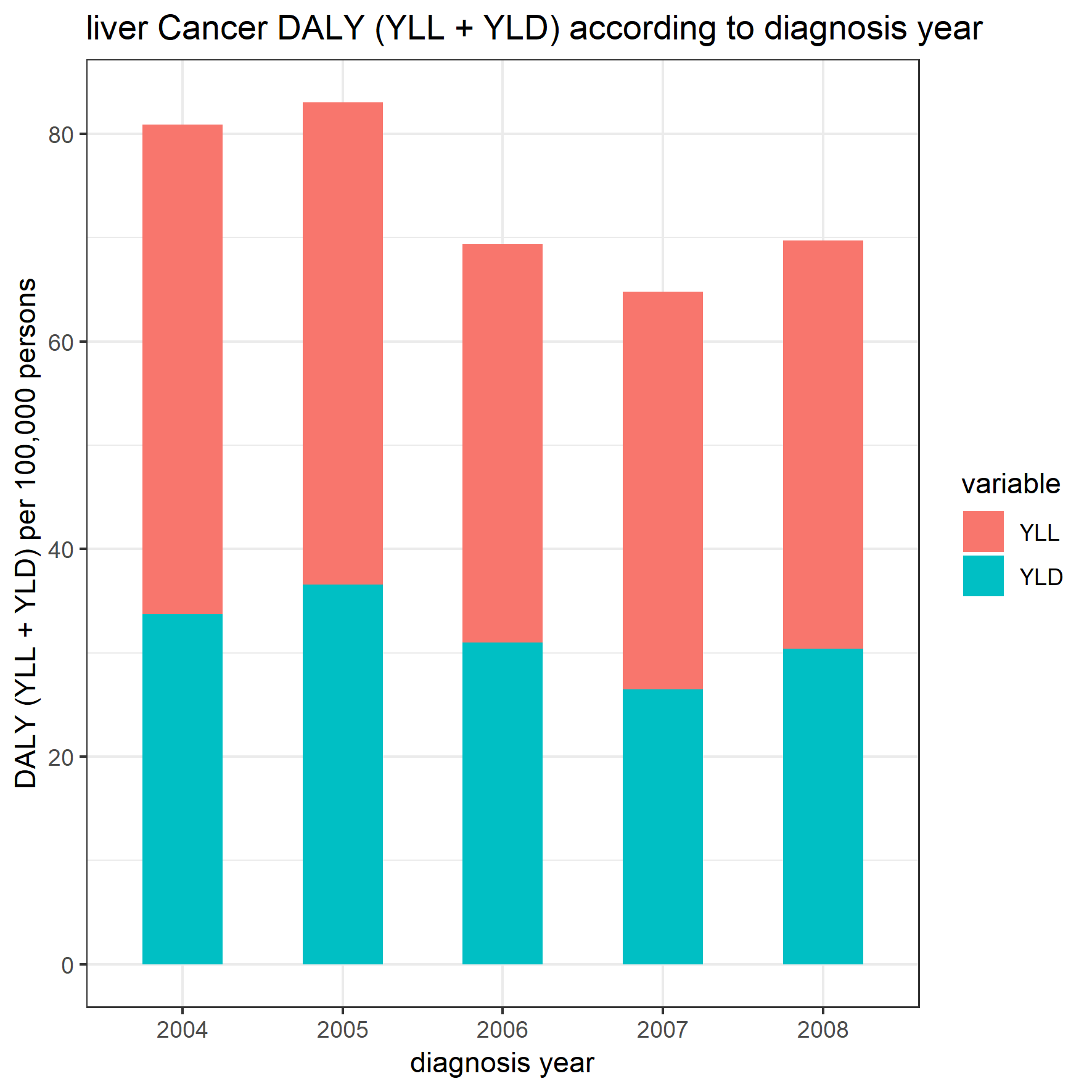
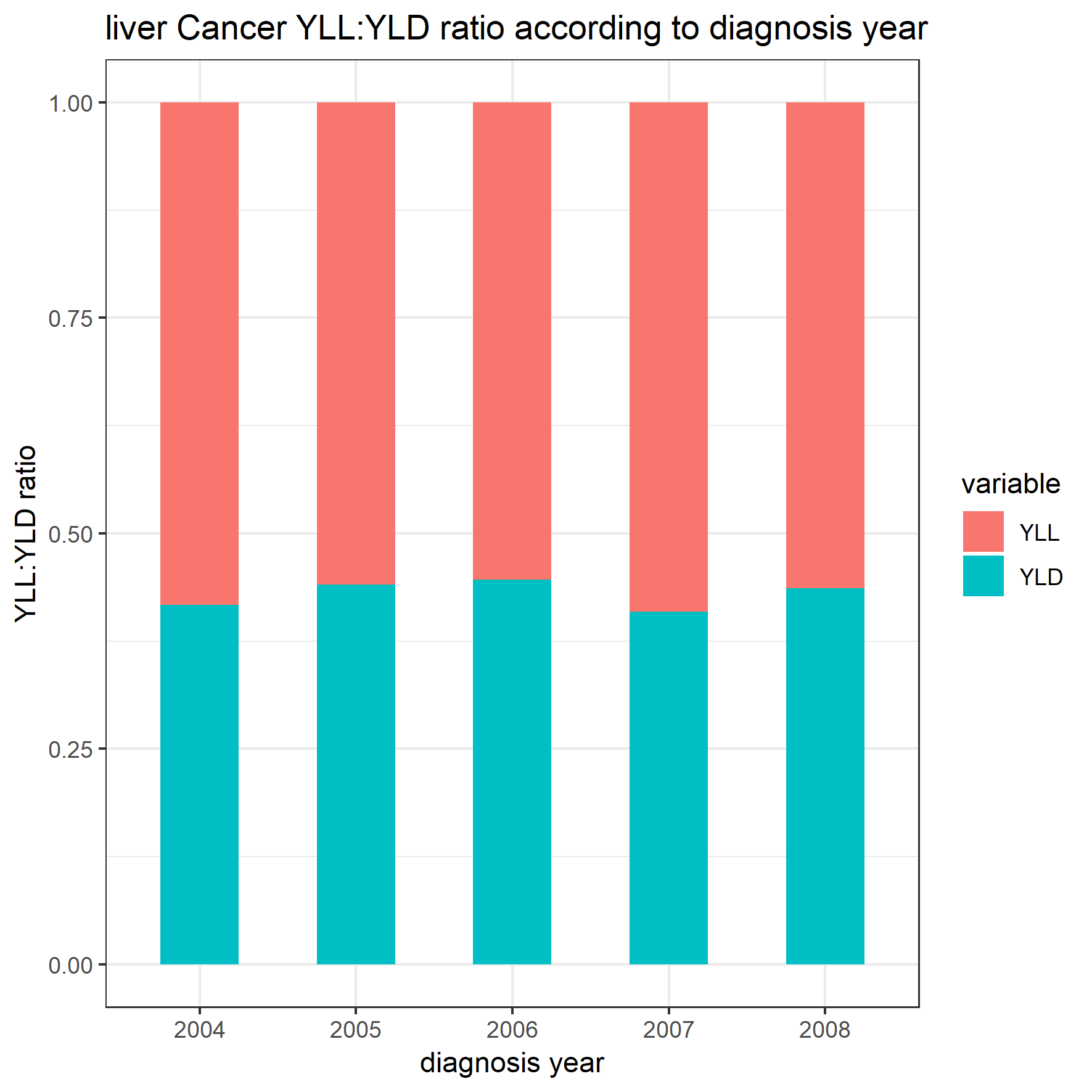
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| yldPerEvent | yllPerEvent | yldSum | yllSum | dalyPerEvent | dalySum |
| 0.0865818 | 0.1238254 | 334.3789 | 478.2137 | 0.2104072 | 812.5927 |
| 0.0709534 | 0.1139728 | 274.0219 | 440.1631 | 0.1849262 | 714.1850 |
| 0.0806388 | 0.1215850 | 311.4269 | 469.5614 | 0.2022238 | 780.9883 |
| 0.0824170 | 0.1157882 | 318.2943 | 447.1739 | 0.1982051 | 765.4682 |
| 0.0833468 | 0.1117321 | 321.8855 | 431.5093 | 0.1950789 | 753.3948 |

1. stomach cancer  

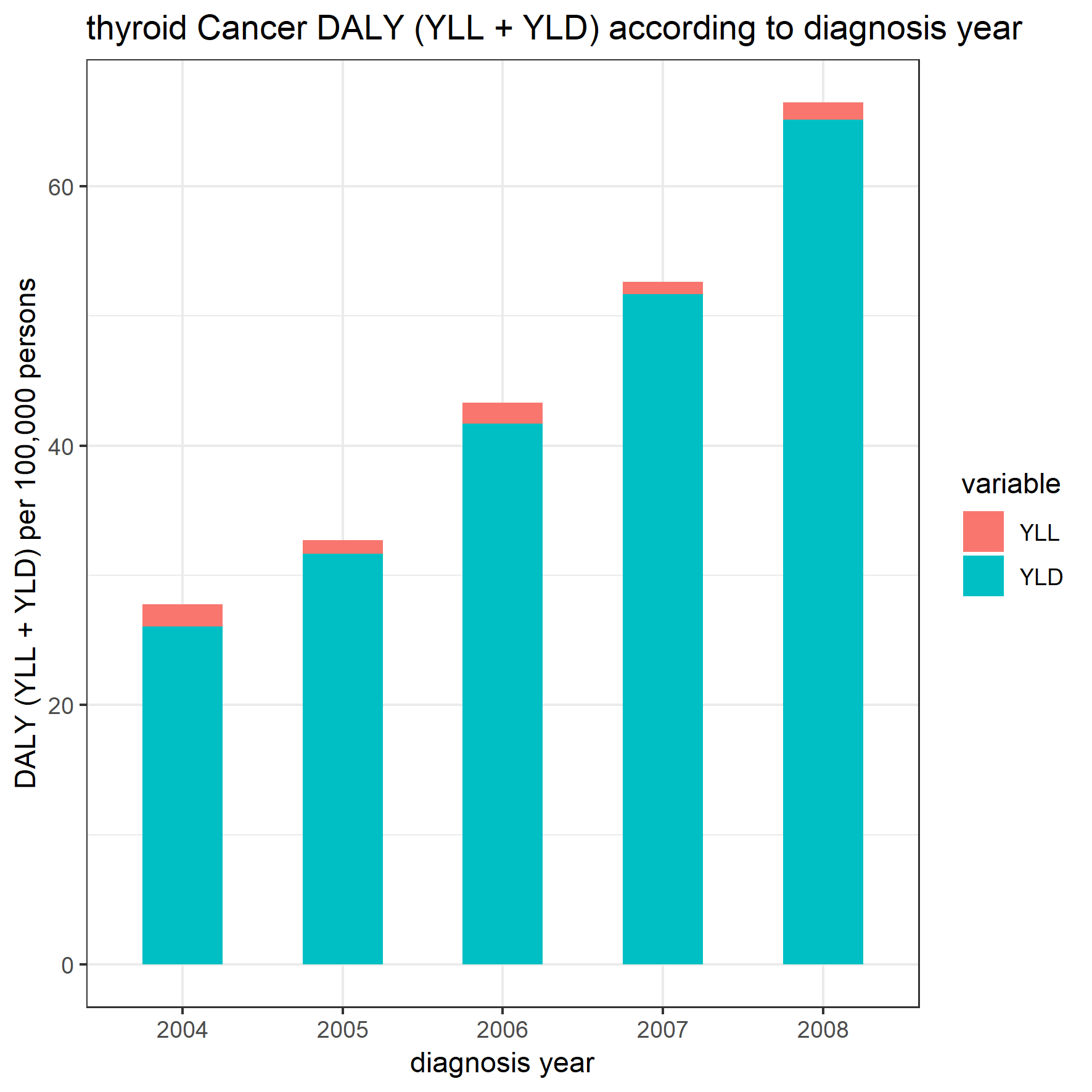
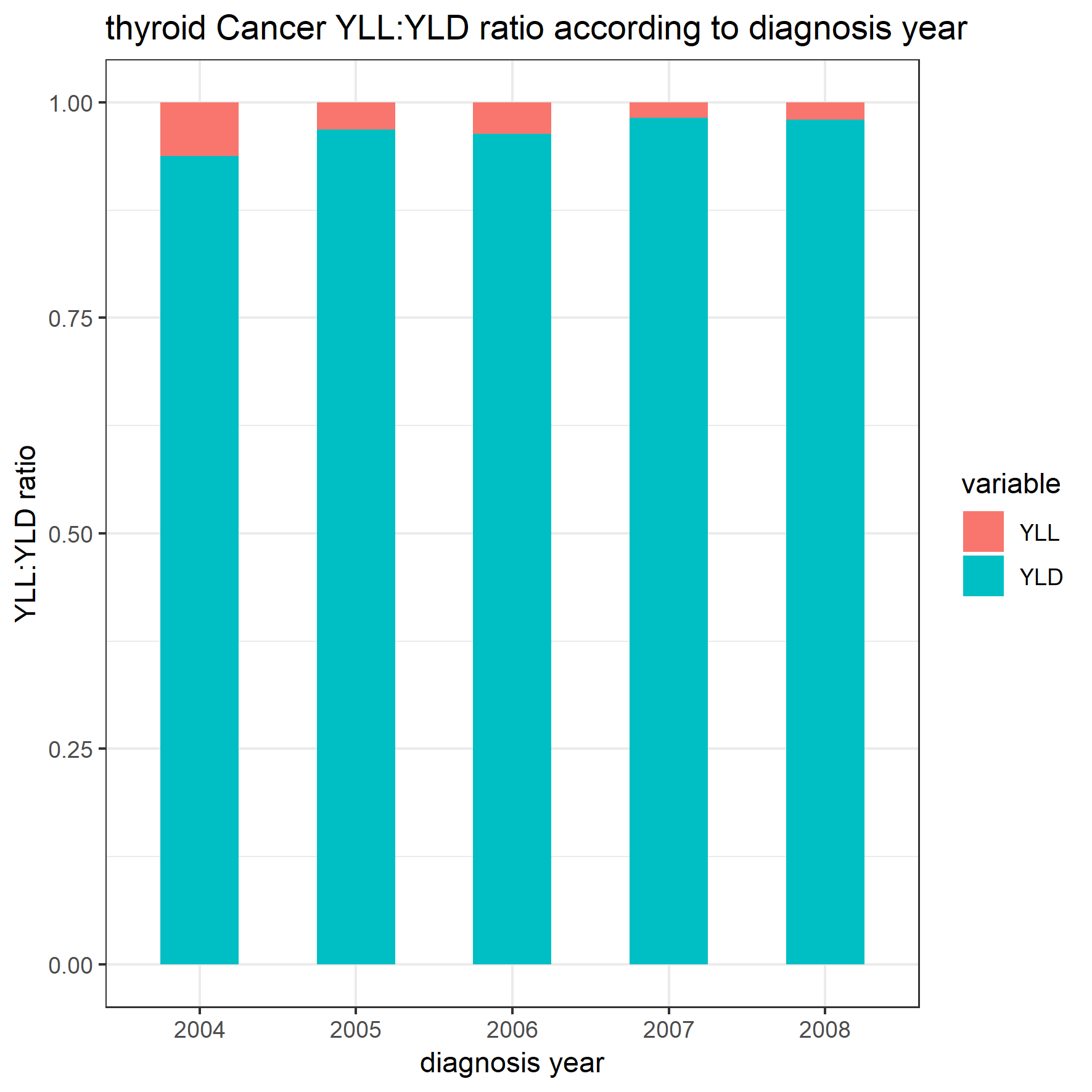
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| yldPerEvent | yllPerEvent | yldSum | yllSum | dalyPerEvent | dalySum |
| 0.1138390 | 0.0683127 | 615.9828 | 369.6402 | 0.1821517 | 985.6230 |
| 0.1117630 | 0.0675554 | 604.7495 | 365.5425 | 0.1793184 | 970.2920 |
| 0.1064557 | 0.0554009 | 576.0320 | 299.7742 | 0.1618566 | 875.8062 |
| 0.0995478 | 0.0685850 | 538.6531 | 371.1137 | 0.1681328 | 909.7668 |
| 0.1258955 | 0.0607181 | 681.2207 | 328.5456 | 0.1866136 | 1009.7663 |

1. breast cancer  

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| yldPerEvent | yllPerEvent | yldSum | yllSum | dalyPerEvent | dalySum |
| 0.1453153 | 0.0101820 | 359.8006 | 25.21059 | 0.1554973 | 385.0112 |
| 0.1318193 | 0.0134403 | 326.3845 | 33.27810 | 0.1452595 | 359.6626 |
| 0.1552814 | 0.0145553 | 384.4767 | 36.03900 | 0.1698367 | 420.5157 |
| 0.1652865 | 0.0178794 | 409.2494 | 44.26931 | 0.1831659 | 453.5187 |
| 0.1700072 | 0.0180367 | 420.9379 | 44.65887 | 0.1880439 | 465.5967 |

1. liver cancer  

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| yldPerEvent | yllPerEvent | yldSum | yllSum | dalyPerEvent | dalySum |
| 0.1134122 | 0.1584365 | 337.4014 | 471.3487 | 0.2718488 | 808.7500 |
| 0.1229407 | 0.1561543 | 365.7486 | 464.5589 | 0.2790950 | 830.3075 |
| 0.1041377 | 0.1291331 | 309.8096 | 384.1711 | 0.2332708 | 693.9806 |
| 0.0890285 | 0.1287702 | 264.8598 | 383.0914 | 0.2177987 | 647.9512 |
| 0.1022622 | 0.1321232 | 304.2299 | 393.0666 | 0.2343854 | 697.2966 |

1. thyroid cancer  

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| yldPerEvent | yllPerEvent | yldSum | yllSum | dalyPerEvent | dalySum |
| 0.0479995 | 0.0031793 | 260.5411 | 17.257051 | 0.0511787 | 277.7982 |
| 0.0583245 | 0.0018984 | 316.5856 | 10.304452 | 0.0602229 | 326.8901 |
| 0.0768579 | 0.0029002 | 417.1848 | 15.742247 | 0.0797581 | 432.9270 |
| 0.0952542 | 0.0017140 | 517.0395 | 9.303855 | 0.0969682 | 526.3434 |
| 0.1200062 | 0.0024592 | 651.3939 | 13.348591 | 0.1224655 | 664.7425 |