# AS Prevalence

## Method A

Denominator:

* At least 12 months of continuous enrollment
* **For annual prevalence, continuous enrollment for at least 6 months of the year**

Numerator:

* **Single diagnosis codes of 720.0**
* **Must be from a rheumatologist ambulatory visit**
* AS date must be within enrollment window (i.e., patient must also be in the denominator)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **year** | **numer5pct** | **denom5pct** | **numerEstimated** | **denomEstimated** | **prev** |
| 2006 | 182 | 830,317 | 3,640 | 16,606,340 | 0.022% |
| 2007 | 266 | 896,578 | 5,320 | 17,931,560 | 0.030% |
| 2008 | 353 | 900,910 | 7,060 | 18,018,200 | 0.039% |
| 2009 | 419 | 904,231 | 8,380 | 18,084,620 | 0.046% |
| 2010 | 504 | 921,241 | 10,080 | 18,424,820 | 0.055% |
| 2011 | 596 | 956,052 | 11,920 | 19,121,040 | 0.062% |
| 2012 | 698 | 1,003,251 | 13,960 | 20,065,020 | 0.070% |
| 2013 | 846 | 1,123,450 | 16,920 | 22,469,000 | 0.075% |
| 2014 | 921 | 1,097,812 | 18,420 | 21,956,240 | 0.084% |
| **OVERALL** | **893** | **1,734,873** | **17,860** | **34,697,460** | **0.051%** |

## Method B

Denominator:

* At least 12 months of continuous enrollment
* **For annual prevalence, continuous enrollment for at least 6 months of the year**

Numerator:

* **At least 2 diagnosis codes of 720.xx**
* **Both must be from a rheumatologist ambulatory visit**
* Both must be between 7-365 days apart
* AS date is set as the date of the 2nd diagnosis
* AS date must be within enrollment window (i.e., patient must also be in the denominator)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **year** | **numer5pct** | **denom5pct** | **numerEstimated** | **denomEstimated** | **prev** |
| 2006 | 229 | 830,317 | 4,580 | 16,606,340 | 0.028% |
| 2007 | 417 | 896,578 | 8,340 | 17,931,560 | 0.047% |
| 2008 | 563 | 900,910 | 11,260 | 18,018,200 | 0.062% |
| 2009 | 702 | 904,231 | 14,040 | 18,084,620 | 0.078% |
| 2010 | 830 | 921,241 | 16,600 | 18,424,820 | 0.090% |
| 2011 | 1,009 | 956,052 | 20,180 | 19,121,040 | 0.106% |
| 2012 | 1,169 | 1,003,251 | 23,380 | 20,065,020 | 0.117% |
| 2013 | 1,449 | 1,123,450 | 28,980 | 22,469,000 | 0.129% |
| 2014 | 1,551 | 1,097,812 | 31,020 | 21,956,240 | 0.141% |
| **OVERALL** | **1,615** | **1,734,873** | **32,300** | **34,697,460** | **0.093%** |

## Method C

Denominator:

* At least 12 months of continuous enrollment
* **For annual prevalence, continuous enrollment for at least 6 months of the year**

Numerator:

* **At least 2 diagnosis codes of 720.xx**
* **Only one must be from a rheumatologist ambulatory visit**
* Both must be between 7-365 days apart
* AS date is set as the date of the 2nd diagnosis
* AS date must be within enrollment window (i.e., patient must also be in the denominator)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| year | numer5pct | denom5pct | numerEstimated | denomEstimated | prev |
| 2006 | 273 | 830,317 | 5,460 | 16,606,340 | 0.033% |
| 2007 | 480 | 896,578 | 9,600 | 17,931,560 | 0.054% |
| 2008 | 648 | 900,910 | 12,960 | 18,018,200 | 0.072% |
| 2009 | 831 | 904,231 | 16,620 | 18,084,620 | 0.092% |
| 2010 | 999 | 921,241 | 19,980 | 18,424,820 | 0.108% |
| 2011 | 1,217 | 956,052 | 24,340 | 19,121,040 | 0.127% |
| 2012 | 1,417 | 1,003,251 | 28,340 | 20,065,020 | 0.141% |
| 2013 | 1,741 | 1,123,450 | 34,820 | 22,469,000 | 0.155% |
| 2014 | 1,862 | 1,097,812 | 37,240 | 21,956,240 | 0.170% |
| **OVERALL** | **1,930** | **1,734,873** | **38,600** | **34,697,460** | **0.111%** |

## Method D

Denominator:

* At least 12 months of continuous enrollment
* **For annual prevalence, continuous enrollment for at least 6 months of the year**

Numerator:

* **Single diagnosis codes of 720.xx**
* **Must be from a rheumatologist ambulatory visit**
* AS date must be within enrollment window (i.e., patient must also be in the denominator)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **year** | **numer5pct** | **denom5pct** | **numerEstimated** | **denomEstimated** | **prev** |
| 2006 | 505 | 830,317 | 10,100 | 16,606,340 | 0.061% |
| 2007 | 867 | 896,578 | 17,340 | 17,931,560 | 0.097% |
| 2008 | 1,182 | 900,910 | 23,640 | 18,018,200 | 0.131% |
| 2009 | 1,513 | 904,231 | 30,260 | 18,084,620 | 0.167% |
| 2010 | 1,810 | 921,241 | 36,200 | 18,424,820 | 0.196% |
| 2011 | 2,162 | 956,052 | 43,240 | 19,121,040 | 0.226% |
| 2012 | 2,551 | 1,003,251 | 51,020 | 20,065,020 | 0.254% |
| 2013 | 3,063 | 1,123,450 | 61,260 | 22,469,000 | 0.273% |
| 2014 | 3,283 | 1,097,812 | 65,660 | 21,956,240 | 0.299% |
| **OVERALL** | **3,421** | **1,734,873** | **68,420** | **34,697,460** | **0.197%** |

## Method E

Denominator:

* At least 12 months of continuous enrollment
* **For annual prevalence, enrolled for the entire year**

Numerator:

* **At least 2 diagnosis codes of 720.xx**
* **Both must be from a rheumatologist ambulatory visit**
* Both must be between 7-365 days apart
* AS date is set as the date of the 2nd diagnosis
* AS date must be within enrollment window (i.e., patient must also be in the denominator)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **year** | **numer5pct** | **denom5pct** | **numerEstimated** | **denomEstimated** | **prev** |
| 2006 | 145 | 501,031 | 2,900 | 10,020,620 | 0.029% |
| 2007 | 391 | 816,970 | 7,820 | 16,339,400 | 0.048% |
| 2008 | 527 | 825,445 | 10,540 | 16,508,900 | 0.064% |
| 2009 | 668 | 830,967 | 13,360 | 16,619,340 | 0.080% |
| 2010 | 793 | 844,528 | 15,860 | 16,890,560 | 0.094% |
| 2011 | 950 | 879,996 | 19,000 | 17,599,920 | 0.108% |
| 2012 | 1,103 | 921,994 | 22,060 | 18,439,880 | 0.120% |
| 2013 | 1,384 | 1,032,827 | 27,680 | 20,656,540 | 0.134% |
| 2014 | 1,487 | 1,046,107 | 29,740 | 20,922,140 | 0.142% |
| **OVERALL** | **1,615** | **1,734,873** | **32,300** | **34,697,460** | **0.093%** |