# **Unadjusted incidence rates**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Strata | Outcome | Exposure | Database | Patients | Events | PYs | IR/1,000 PYs | IP/1,1000 P |
| All patients | Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC | MDCR | 1,686 | 131 | 998 | 131.137 | 77.699 |
| Ischemic stroke | MDCR | 1,972 | 23 | 1,171 | 19.639 | 11.663 |
| Hemorrhagic stroke | MDCR | 2,043 | 5 | 1,214 | 4.117 | 2.447 |
| Heart failure | MDCR | 1,818 | 107 | 1,077 | 99.296 | 58.856 |
| Acute myocardial infarction | MDCR | 1,935 | 51 | 1,143 | 44.602 | 26.357 |
| Sudden cardiac death | MDCR | 2,051 | 9 | 1,218 | 7.388 | 4.388 |
| Alzheimers/dementia/cognative decline | MDCR | 1,860 | 49 | 1,100 | 44.542 | 26.344 |
| Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC | MDCR | 1,977 | 96 | 1,020 | 94.046 | 48.558 |
| Ischemic stroke | MDCR | 2,378 | 20 | 1,232 | 16.233 | 8.41 |
| Hemorrhagic stroke | MDCR | 2,456 | 5 | 1,275 | 3.919 | 2.036 |
| Heart failure | MDCR | 2,144 | 75 | 1,099 | 68.235 | 34.981 |
| Acute myocardial infarction | MDCR | 2,344 | 33 | 1,213 | 27.192 | 14.078 |
| Sudden cardiac death | MDCR | 2,469 | 13 | 1,283 | 10.129 | 5.265 |
| Alzheimers/dementia/cognative decline | MDCR | 2,210 | 56 | 1,145 | 48.884 | 25.339 |
| Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC | Optum | 2,977 | 223 | 1,874 | 118.933 | 74.908 |
| Ischemic stroke | Optum | 3,404 | 51 | 2,135 | 23.878 | 14.982 |
| Hemorrhagic stroke | Optum | 3,522 | 5 | 2,202 | 2.27 | 1.42 |
| Heart failure | Optum | 3,175 | 176 | 1,989 | 88.447 | 55.433 |
| Acute myocardial infarction | Optum | 3,379 | 70 | 2,117 | 33.061 | 20.716 |
| Sudden cardiac death | Optum | 3,525 | 27 | 2,201 | 12.262 | 7.66 |
| Alzheimers/dementia/cognative decline | Optum | 3,172 | 92 | 1,960 | 46.916 | 29.004 |
| Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC | Optum | 2,678 | 100 | 1,433 | 69.75 | 37.341 |
| Ischemic stroke | Optum | 3,135 | 30 | 1,674 | 17.911 | 9.569 |
| Hemorrhagic stroke | Optum | 3,232 | 3 | 1,732 | 1.731 | 0.928 |
| Heart failure | Optum | 2,838 | 61 | 1,520 | 40.127 | 21.494 |
| Acute myocardial infarction | Optum | 3,109 | 36 | 1,676 | 21.474 | 11.579 |
| Sudden cardiac death | Optum | 3,241 | 19 | 1,739 | 10.922 | 5.862 |
| Alzheimers/dementia/cognative decline | Optum | 2,897 | 74 | 1,547 | 47.833 | 25.544 |
| Prior CVD | Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC (no CVD in prior 6-mo) | MDCR | 556 | 7 | 297 | 23.561 | 12.59 |
| Ischemic stroke | MDCR | 573 | 1 | 306 | 3.258 | 1.745 |
| Hemorrhagic stroke | MDCR | 573 | 0 | 306 | 0 | 0 |
| Heart failure | MDCR | 556 | 5 | 297 | 16.825 | 8.993 |
| Acute myocardial infarction | MDCR | 573 | 0 | 306 | 0 | 0 |
| Sudden cardiac death | MDCR | 573 | 1 | 306 | 3.258 | 1.745 |
| Alzheimers/dementia/cognative decline | MDCR | 549 | 5 | 296 | 16.876 | 9.107 |
| Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC (no CVD in prior 6-mo) | MDCR | 1,155 | 71 | 718 | 98.766 | 61.472 |
| Ischemic stroke | MDCR | 1,243 | 14 | 788 | 17.744 | 11.263 |
| Hemorrhagic stroke | MDCR | 1,270 | 4 | 805 | 4.969 | 3.15 |
| Heart failure | MDCR | 1,194 | 54 | 751 | 71.868 | 45.226 |
| Acute myocardial infarction | MDCR | 1,244 | 17 | 780 | 21.779 | 13.666 |
| Sudden cardiac death | MDCR | 1,271 | 5 | 805 | 6.204 | 3.934 |
| Alzheimers/dementia/cognative decline | MDCR | 1,168 | 25 | 732 | 34.126 | 21.404 |
| Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC (no CVD in prior 6-mo) | Optum | 859 | 7 | 448 | 15.609 | 8.149 |
| Ischemic stroke | Optum | 884 | 1 | 460 | 2.173 | 1.131 |
| Hemorrhagic stroke | Optum | 885 | 0 | 460 | 0 | 0 |
| Heart failure | Optum | 860 | 4 | 448 | 8.912 | 4.651 |
| Acute myocardial infarction | Optum | 885 | 0 | 460 | 0 | 0 |
| Sudden cardiac death | Optum | 885 | 2 | 460 | 4.345 | 2.26 |
| Alzheimers/dementia/cognative decline | Optum | 847 | 10 | 440 | 22.682 | 11.806 |
| Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC (no CVD in prior 6-mo) | Optum | 2,121 | 128 | 1,364 | 93.798 | 60.349 |
| Ischemic stroke | Optum | 2,257 | 26 | 1,455 | 17.866 | 11.52 |
| Hemorrhagic stroke | Optum | 2,285 | 4 | 1,467 | 2.726 | 1.751 |
| Heart failure | Optum | 2,174 | 89 | 1,397 | 63.704 | 40.938 |
| Acute myocardial infarction | Optum | 2,261 | 30 | 1,457 | 20.589 | 13.268 |
| Sudden cardiac death | Optum | 2,290 | 17 | 1,471 | 11.555 | 7.424 |
| Alzheimers/dementia/cognative decline | Optum | 2,118 | 58 | 1,350 | 42.952 | 27.384 |
| No Prior CVD | Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC (any CVD in prior 6-mo) | MDCR | 1,421 | 89 | 723 | 122.983 | 62.632 |
| Ischemic stroke | MDCR | 1,805 | 19 | 925 | 20.538 | 10.526 |
| Hemorrhagic stroke | MDCR | 1,883 | 5 | 968 | 5.16 | 2.655 |
| Heart failure | MDCR | 1,588 | 70 | 801 | 87.286 | 44.081 |
| Acute myocardial infarction | MDCR | 1,771 | 33 | 906 | 36.399 | 18.634 |
| Sudden cardiac death | MDCR | 1,896 | 12 | 976 | 12.289 | 6.329 |
| Alzheimers/dementia/cognative decline | MDCR | 1,661 | 51 | 849 | 60.05 | 30.704 |
| Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC (any CVD in prior 6-mo) | MDCR | 531 | 60 | 280 | 214.223 | 112.994 |
| Ischemic stroke | MDCR | 729 | 9 | 382 | 23.553 | 12.346 |
| Hemorrhagic stroke | MDCR | 773 | 1 | 409 | 2.443 | 1.294 |
| Heart failure | MDCR | 624 | 53 | 326 | 162.471 | 84.936 |
| Acute myocardial infarction | MDCR | 691 | 34 | 362 | 93.693 | 49.204 |
| Sudden cardiac death | MDCR | 780 | 4 | 412 | 9.704 | 5.128 |
| Alzheimers/dementia/cognative decline | MDCR | 692 | 24 | 367 | 65.302 | 34.682 |
| Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC (any CVD in prior 6-mo) | Optum | 1,819 | 93 | 985 | 94.393 | 51.127 |
| Ischemic stroke | Optum | 2,251 | 29 | 1,214 | 23.871 | 12.883 |
| Hemorrhagic stroke | Optum | 2,347 | 3 | 1,272 | 2.358 | 1.278 |
| Heart failure | Optum | 1,978 | 57 | 1,071 | 53.204 | 28.817 |
| Acute myocardial infarction | Optum | 2,224 | 36 | 1,216 | 29.603 | 16.187 |
| Sudden cardiac death | Optum | 2,356 | 17 | 1,279 | 13.288 | 7.216 |
| Alzheimers/dementia/cognative decline | Optum | 2,050 | 64 | 1,106 | 57.857 | 31.22 |
| Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC (any CVD in prior 6-mo) | Optum | 856 | 95 | 510 | 186.144 | 110.981 |
| Ischemic stroke | Optum | 1,147 | 25 | 680 | 36.729 | 21.796 |
| Hemorrhagic stroke | Optum | 1,237 | 1 | 735 | 1.36 | 0.808 |
| Heart failure | Optum | 1,001 | 87 | 592 | 146.759 | 86.913 |
| Acute myocardial infarction | Optum | 1,118 | 40 | 660 | 60.586 | 35.778 |
| Sudden cardiac death | Optum | 1,235 | 10 | 730 | 13.687 | 8.097 |
| Alzheimers/dementia/cognative decline | Optum | 1,054 | 34 | 610 | 55.684 | 32.258 |
| Severe CVD | Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC (uncontrolled CVD in prior 6-mo) | MDCR | 101 | 6 | 41 | 144.549 | 59.406 |
| Ischemic stroke | MDCR | 184 | 1 | 83 | 11.952 | 5.435 |
| Hemorrhagic stroke | MDCR | 207 | 1 | 95 | 10.503 | 4.831 |
| Heart failure | MDCR | 139 | 10 | 54 | 182.799 | 71.942 |
| Acute myocardial infarction | MDCR | 170 | 5 | 78 | 64.041 | 29.412 |
| Sudden cardiac death | MDCR | 211 | 1 | 94 | 10.591 | 4.739 |
| Alzheimers/dementia/cognative decline | MDCR | 169 | 5 | 77 | 64.264 | 29.586 |
| Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC (uncontrolled CVD in prior 6-mo) | MDCR | 85 | 17 | 32 | 522.181 | 200 |
| Ischemic stroke | MDCR | 142 | 2 | 57 | 34.613 | 14.085 |
| Hemorrhagic stroke | MDCR | 159 | 1 | 72 | 13.882 | 6.289 |
| Heart failure | MDCR | 117 | 17 | 49 | 344.117 | 145.299 |
| Acute myocardial infarction | MDCR | 133 | 12 | 58 | 206.726 | 90.226 |
| Sudden cardiac death | MDCR | 160 | 0 | 71 | 0 | 0 |
| Alzheimers/dementia/cognative decline | MDCR | 128 | 7 | 57 | 122.45 | 54.688 |
| Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC (uncontrolled CVD in prior 6-mo) | Optum | 140 | 10 | 71 | 139.515 | 71.429 |
| Ischemic stroke | Optum | 248 | 4 | 123 | 32.492 | 16.129 |
| Hemorrhagic stroke | Optum | 273 | 0 | 132 | 0 | 0 |
| Heart failure | Optum | 182 | 10 | 87 | 113.842 | 54.945 |
| Acute myocardial infarction | Optum | 223 | 7 | 113 | 61.759 | 31.39 |
| Sudden cardiac death | Optum | 276 | 2 | 134 | 14.894 | 7.246 |
| Alzheimers/dementia/cognative decline | Optum | 226 | 7 | 108 | 64.245 | 30.973 |
| Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC (uncontrolled CVD in prior 6-mo) | Optum | 146 | 17 | 81 | 207.855 | 116.438 |
| Ischemic stroke | Optum | 233 | 3 | 122 | 24.487 | 12.876 |
| Hemorrhagic stroke | Optum | 266 | 1 | 140 | 7.108 | 3.759 |
| Heart failure | Optum | 196 | 20 | 109 | 181.82 | 102.041 |
| Acute myocardial infarction | Optum | 225 | 11 | 118 | 92.765 | 48.889 |
| Sudden cardiac death | Optum | 267 | 4 | 141 | 28.344 | 14.981 |
| Alzheimers/dementia/cognative decline | Optum | 221 | 6 | 113 | 52.74 | 27.149 |
| Less Severe CVD | Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC (controlled CVD in prior 6-mo) | MDCR | 446 | 43 | 247 | 173.719 | 96.413 |
| Ischemic stroke | MDCR | 587 | 7 | 324 | 21.582 | 11.925 |
| Hemorrhagic stroke | MDCR | 614 | 0 | 337 | 0 | 0 |
| Heart failure | MDCR | 507 | 36 | 276 | 130.053 | 71.006 |
| Acute myocardial infarction | MDCR | 558 | 22 | 304 | 72.17 | 39.427 |
| Sudden cardiac death | MDCR | 620 | 4 | 340 | 11.747 | 6.452 |
| Alzheimers/dementia/cognative decline | MDCR | 564 | 17 | 310 | 54.776 | 30.142 |
| Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC (controlled CVD in prior 6-mo) | MDCR | 549 | 32 | 257 | 124.128 | 58.288 |
| Ischemic stroke | MDCR | 728 | 4 | 353 | 11.322 | 5.495 |
| Hemorrhagic stroke | MDCR | 758 | 2 | 366 | 5.451 | 2.639 |
| Heart failure | MDCR | 618 | 28 | 295 | 94.812 | 45.307 |
| Acute myocardial infarction | MDCR | 707 | 9 | 337 | 26.652 | 12.73 |
| Sudden cardiac death | MDCR | 759 | 2 | 370 | 5.398 | 2.635 |
| Alzheimers/dementia/cognative decline | MDCR | 671 | 21 | 317 | 66.123 | 31.297 |
| Cardiovascular morbidity (composite) | New users of abiraterone + prednisone with CRPC (controlled CVD in prior 6-mo) | Optum | 710 | 78 | 428 | 182.001 | 109.859 |
| Ischemic stroke | Optum | 914 | 22 | 558 | 39.416 | 24.07 |
| Hemorrhagic stroke | Optum | 971 | 0 | 594 | 0 | 0 |
| Heart failure | Optum | 805 | 67 | 482 | 138.771 | 83.23 |
| Acute myocardial infarction | Optum | 893 | 29 | 541 | 53.541 | 32.475 |
| Sudden cardiac death | Optum | 968 | 6 | 589 | 10.178 | 6.198 |
| Alzheimers/dementia/cognative decline | Optum | 833 | 28 | 496 | 56.358 | 33.613 |
| Cardiovascular morbidity (composite) | New users of enzalutamide with CRPC (controlled CVD in prior 6-mo) | Optum | 633 | 38 | 324 | 117.218 | 60.032 |
| Ischemic stroke | Optum | 848 | 10 | 439 | 22.763 | 11.792 |
| Hemorrhagic stroke | Optum | 883 | 1 | 459 | 2.174 | 1.133 |
| Heart failure | Optum | 699 | 22 | 363 | 60.524 | 31.474 |
| Acute myocardial infarction | Optum | 823 | 14 | 434 | 32.192 | 17.011 |
| Sudden cardiac death | Optum | 887 | 7 | 464 | 15.072 | 7.892 |
| Alzheimers/dementia/cognative decline | Optum | 759 | 25 | 389 | 64.263 | 32.938 |