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| **Table 1** The number of VHA users, incidence and number of amputation  among US veterans, 2008-2018 | | | |
| Year | Number of VA Healthcare system users | Number of  amputations | Crude incidence rate  (per 10,000 people) |
| 2008 | 3,952,321 | 3,031 | 7.669 (7.615, 7.723) |
| 2009 | 4,008,694 | 2,909 | 7.257 (7.204, 7.310) |
| 2010 | 4,069,248 | 3,098 | 7.613 (7.559, 7.667) |
| 2011 | 4,106,647 | 3,156 | 7.685 (7.631, 7.739) |
| 2012 | 4,096,343 | 3,044 | 7.431 (7.378, 7.484) |
| 2013 | 4,086,825 | 3,284 | 8.036 (7.980, 8.092) |
| 2014 | 4,093,489 | 3,315 | 8.098 (8.042, 8.154) |
| 2015 | 4,080,956 | 3,192 | 7.822 (7.767, 7.877) |
| 2016 | 4,066,217 | 3,275 | 8.054 (7.998, 8.110) |
| 2017 | 4,051,901 | 3,382 | 8.347 (8.290, 8.404) |
| 2018 | 4,034,173 | 3,629 | 8.996 (8.937, 9.055) |
| The year here is fiscal year, which is from October 1 of the previous calendar year to September 30 of the current calendar year. | | | |

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| **Table 2** Baseline characteristics of the overall longitudinal cohort and by amputation | | | |
| Characteristics | Overall cohort  (N = 6,617,635) | No amputation  (N= 6,606,689) | Amputation  (N=10,946) |
| Female | 439,450 (6.64%) | 439,345 (6.65%) | 105 (0.96%) |
| Race: white |  |  |  |
| Black | 876,878 (13.25%) | 874,889 (13.24%) | 1,989 (18.18%) |
| Other | 549,834 (8.31%) | 547,260 (8.28%) | 2,574 (23.52%) |
| Type 2 diabetes | 351,990 (5.32%) | 346,709 (5.25%) | 5,281 (48.26%) |
| No CKD |  |  |  |
| CKD: 2 | 801,380 (12.11%) | 799,370 (12.10%) | 2,010 (18.37%) |
| CKD: 3 | 336,847 (5.09%) | 335,509 (5.08%) | 1,338 (12.23%) |
| CKD: 4 | 86,405 (1.31%) | 85,774 (1.30%) | 631 (2.77%) |
| CKD: ESRD | 14,463 (0.22%) | 14,250 (0.22%) | 213 (1.95%) |
| CKD: Kidney transplant | 8,749 (0.13%) | 8,649 (0.13%) | 100 (0.91%) |
| CKD: Dialysis | 26,454 (0.40%) | 26,004 (0.39%) | 450 (4.11%) |
| Never smokers |  |  |  |
| Current smokers | 1,684,887 (25.46%) | 1,680,262 (25.43%) | 4,626 (42.27%) |
| Former smokers | 1,612,275 (24.36%) | 1,609,295 (24.36%) | 2,980 (27.23%) |
| Cancer | 562,145 (8.49) | 560,571 (8.48%) | 1,574 (14.38%) |
| Cerebrovascular disease | 19,804 (0.30%) | 19,564 (0.30%) | 240 (2.19%) |
| Cardiovascular disease | 1,241,902 (18.77) | 1,236,747 (18.72%) | 5,155 (47.11%) |
| Dementia | 190,665 (2.88%) | 189,953 (2.88%) | 712 (6.51%) |
| Hyperlipidemia | 1,757,427 (26.56%) | 1,751,335 (26.51%) | 6,092 (55.68%) |
| Hypertension | 2,829,784 (42.72%) | 2,817,788 (42.65%) | 8,996 (82.22%) |
| Chronic Lung Disease | 756,386 (11.43%) | 753,742 (11.41%) | 2,644 (24.16%) |
| Peripheral artery disease | 118,631 (1.79%) | 116,662 (1.77%) | 2,969 (17.99%) |

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| **Table 3** Association between major risk factors and different types of amputation using Cox regression models (N = 6,617,635) | | | | |
| Parameters | Any first amputation | Below ankle amputation | Below knee amputation | Above knee amputation |
| Female | 0.320 (0.264, 0.389) | 0.343 (0.279, 0.421) | 0.268 (0.189, 0.381) | 0.267 (0.179, 0.400) |
| Race: white |  |  |  |  |
| Black | 1.690 (1.603, 1.782) | 1.630 (1.537, 1.728) | 1.913 (1.757, 2.082) | 2.324 (2.124, 2.543) |
| Other | 2.342 (2.235, 2.454) | 2.471 (2.350, 2.599) | 2.405 (2.224, 2.600) | 2.637 (2.423, 2.871) |
| Type 2 diabetes | 6.853 (6.560, 7.159) | 7.371 (7.027, 7.732) | 7.817 (7.258, 8.419) | 4.061 (3.749, 4.399) |
| No CKD |  |  |  |  |
| CKD: 2 | 1.384 (1.312, 1.460) | 1.429 (1.349, 1.514) | 1.510 (1.378, 1.654) | 1.144 (1.037, 1.262) |
| CKD: 3 | 1.971 (1.849, 2.101) | 2.070 (1.931, 2.219) | 2.313 (2.077, 2.577) | 1.502 (1.330, 1.697) |
| CKD: 4 | 3.205 (2.942, 3.493) | 3.330 (3.031, 3.659) | 4.419 (3.866, 5.052) | 2.858 (2.444, 3.341) |
| CKD: ESRD | 5.741 (5.000, 6.590) | 5.725 (4.913, 6.672) | 8.066 (6.605, 9.849) | 5.870 (4.590, 7.508) |
| CKD: Kidney transplant | 4.157 (3.407, 5.072) | 4.008 (3.214, 4.998) | 5.864 (4.430, 7.761) | 5.180 (3.663, 7.327) |
| CKD: Dialysis | 6.466 (5.853, 7.143) | 6.381 (5.695, 7.149) | 10.333 (8.977, 11.893) | 7.294 (6.170, 8.623) |
| Never smokers |  |  |  |  |
| Current smokers | 1.976 (1.883, 2.072) | 1.963 (1.863, 2.069) | 2.001 (1.848, 2.167) | 2.676 (2.450, 2.922) |
| Former smokers | 1.098 (1.044, 1.154) | 1.129 (1.069, 1.191) | 1.122 (1.031, 1.220) | 1.039 (0.943, 1.145) |
| Cancer | 1.095 (1.037, 1.157) | 1.095 (1.030, 1.163) | 1.005 (0.913, 1.106) | 1.126 (1.023, 1.239) |
| Cerebrovascular disease | 1.744 (1.531, 1.987) | 1.703 (1.469, 1.975) | 1.523 (1.207, 1.921) | 1.824 (1.481, 2.246) |
| Cardiovascular disease | 1.400 (1.341, 1.461) | 1.366 (1.303, 1.431) | 1.520 (1.414, 1.634) | 1.563 (1.446, 1.690) |
| Dementia | 1.413 (1.308, 1.527) | 1.355 (1.241, 1.480) | 1.043 (0.897, 1.212) | 1.842 (1.630, 2.081) |
| Hyperlipidemia | 1.837 (1.763, 1.913) | 1.849 (1.768, 1.933) | 1.859 (1.737, 1.991) | 1.872 (1.740, 2.014) |
| Hypertension | 2.079 (1.965, 2.199) | 2.071 (1.947, 2.202) | 1.889 (1.718, 2.077) | 2.078 (1.881, 2.296) |
| Chronic Lung Disease | 1.192 (1.138, 1.248) | 1.143 (1.086, 1.203) | 1.107 (1.023, 1.198) | 1.248 (1.151, 1.353) |
| Peripheral artery disease | 3.483 (3.304, 3.671) | 3.143 (2.962, 3.336) | 3.565 (3.269, 3.887) | 5.309 (4.869, 5.790) |
| Point estimates of hazard ratios are reported and associated 95% confidence intervals are in parenthesis. | | | | |