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| Revision TKA or THA, separately by septic/aseptic reasons for original revision | | | | | | | | | | | |
|---|----------------|---|-------------------|----------|-----|--------|----------------------------------|-----------------|---------|-----------------|---------|
| Surgery | Outcome Window | Outcome | Original Revision | Betadine | N | Events | Kaplan-Meier event rate (95% CI) | Unadjusted | | IPTW* | |
| | | | | | | | | HR (95% CI) | p-value | HR (95% CI) | p-value |
| TKA | 3 months | Reoperation for Deep or Superficial Infection | Total | No | 979 | 23 | 2.6% | 1.0 (ref) | | 1.0 (ref) | |
| | | | | Yes | 503 | 16 | 5.9% | 2.0 (0.97, 3.9) | 0.059 | 2.9 (0.9, 9.4) | 0.082 |
| | | | Septic | No | 102 | 9 | 9.9% | 1.0 (ref) | | 1.0 (ref) | |
| | | | | Yes | 67 | 3 | 7.4% | 0.7 (0.2, 2.6) | 0.552 | 2.1 (0.4, 12.8) | 0.405 |
| | | | Aseptic | No | 877 | 14 | 1.8% | 1.0 (ref) | | 1.0 (ref) | |
| | | | | Yes | 436 | 13 | 5.7% | 2.8(1.3, 6.3) | 0.011 | 2.6 (0.9, 7.1) | 0.068 |
| TKA | 1 year | Reoperation for Deep or Superficial Infection | Total | No | 889 | 34 | 4.4% | 1.0 (ref) | | 1.0 (ref) | |
| | | | | Yes | 319 | 21 | 11.8% | 2.5 (1.4, 4.4) | 0.002 | 2.9 (0.9, 9.8) | 0.074 |
| | | | Septic | No | 94 | 14 | 17.8% | 1.0 (ref) | | 1.0 (ref) | |

| | | | | | | | | | | | |
|-----|----------|---|---------|-----|-----|------|----------------|----------------|----------------|-----------------|-------|
| | | | | Yes | 42 | 6 | 25.9% | 1.4 (0.5, 3.8) | 0.516 | 1.2 (0.1, 10.4) | 0.892 |
| | | | Aseptic | No | 795 | 20 | 2.9% | 1.0 (ref) | | 1.0 (ref) | |
| | | | | Yes | 277 | 15 | 9.8% | 3.1 (1.5, 6.3) | 0.002 | 1.9 (0.8, 4.7) | 0.15 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| THA | 3 months | Reoperation for Deep or Superficial Infection | Total | No | 102 | 21 | 2.3% | 1.0 (ref) | | 1.0 (ref) | |
| | | | | Yes | 381 | 14 | 5.1% | 2.2 (1.1, 4.3) | 0.026 | 1.6 (0.5, 4.4) | 0.408 |
| | | | Septic | No | 51 | 7 | 15.0% | 1.0 (ref) | | 1.0 (ref) | |
| | | | | Yes | 29 | 2 | 10.2% | 0.6 (0.1, 2.7) | 0.464 | 1.5 (0.3, 8.3) | 0.649 |
| | | | Aseptic | No | 970 | 14 | 1.6% | 1.0 (ref) | | 1.0 (ref) | |
| | | | | Yes | 352 | 12 | 4.6% | 2.9 (1.3, 6.3) | 0.007 | 1.3 (0.5, 2.9) | 0.589 |
| | | | | | | | | | | | |
| | 1 year | Reoperation for Deep or Superficial Infection | Total | No | 946 | 32 | 3.9% | 1.0 (ref) | | 1.0 (ref) | |
| | | | Yes | 231 | 12 | 2.8% | 1.8 (0.9, 3.5) | 0.087 | 1.3 (0.5, 3.4) | 0.627 | |
| | | | Septic | No | 49 | 10 | 23.7% | 1.0 (ref) | | 1.0 (ref) | |
| | | | | Yes | 19 | 2 | 12.3% | 0.5 (0.1, 2.2) | 0.359 | 0.8 (0.1, 4.2) | 0.78 |

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|---|--|--|---------|-----|-----|----|------|----------------|-------|--|----------------|-------|
| | | | | | | | | | | | | |
| | | | Aseptic | No | 897 | 22 | 2.9% | 1.0 (ref) | | | 1.0 (ref) | |
| | | | | Yes | 212 | 10 | 6.1% | 2.3 (1.1, 4.8) | 0.029 | | 0.8 (0.4, 1.8) | 0.645 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| * IPTW: Inverse probability of treatment weighted model based on propensity score | | | | | | | | | | | | |