**Appendix.** List of ICD and CPT codes used to build PearlDiver query

| Category | ICD and CPT billing codes |
| --- | --- |
| Rotator cuff pathology | Right: ICD-10: M75101, M75111, M75121, S46001A  Left: ICD-10: M75102, M75112, M75122, S46002A |
| Rotator cuff repair | Open: CPT-23410, CPT-23412, ICD-10-P-0LQ10ZZ, ICD-10-P-0LQ20ZZ  Arthroscopic: CPT-29827, ICD-10-P-0LQ14ZZ, ICD-10-P-0LQ24ZZ |
| Biceps Tenodesis | Open: CPT-23430  Arthroscopic: CPT-29828 |
| 90-day Complications | |
| Surgical Site Infection | ICD-9: 99851, 99859, 09859, 71100, 71101, 71102, 71181, 71191  ICD-10: T814XXA, T8141XA, T8149XA, M00019, M01X11, M01X12, M01X19, T8142XA, T8143XA |
| Nerve Injury | ICD-10: S4400XA, S4401XA, S4402XA, S4410XA, S4411XA, S4412XA, S4420XA, S4421XA, S4422XA, S4430XA, S4431XA, S4432XA, S4440XA, S4441XA, S4442XA, S4450XA, S4451XA, S4452XA, S448X1A, S448X2A, S448X9A, S4490XA, S4491XA, S4492XA |
| Wound Complication | ICD-9: 9983, 99831, 99832, 99881, 99883, 9984, 10140, 10160, 10180  ICD-10: T8130XA, T8131XA |
| Hematoma | ICD-9: 9981, 99811, 99812, 99813  ICD-10: M7981, M798, M7981, L7631, L7632 |
| Capsulitis | ICD-9: 7260, 71951  ICD-10: M7500, M7501, M7502 |
| Reoperation | |
| Rotator Cuff Repair | CPT: 23410, 23412, 29827 |
| Biceps Tenodesis | CPT: 23430, 29828 |
| Tenotomy/Debridement | CPT: 23405, 29822, 29823 |
| Distal Claviculectomy | CPT: 29824, 23120 |
| Other Arthroscopic | CPT: 29805, 29806, 29807, 29819, 29820, 29821, 29825, 29826 |
| Arthroplasty | CPT: 23472, 23473, 23474, 23335, 23470 |