

Supplementary Online Content

Mull HJ, Graham LA, Morris MS, et al. Association of postoperative readmissions with surgical quality using a Delphi consensus process to identify relevant diagnosis codes. Published online April 18, 2018. *JAMA Surg*. doi:10.1001/jamasurg.2018.0592

eTable. *ICD-9* and *ICD-10* Codes for Readmission Reasons Associated by Consensus With Surgical Quality–Related Problems

eReferences

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. ICD-9 and ICD-10 Codes for Readmission Reasons Associated by Consensus With Surgical Quality–Related Problems

Readmission Reason	ICD-9 Code	ICD-10 Code
Wound-Related Code		
Postoperative abscess/septicemia	998.59	K6811, T814XXA
Acute abscess/diffuse cellulitis/lymphangitis	682.0, 682.1, 682.2, 682.3, 682.4, 682.5, 682.6, 682.7, 682.8, 682.9	K122, L03119, L03129, L03211, L03212, L03213, L03221, L03222, L03317, L03319, L03329, L03811, L03818, L03891, L03898, L0390, L0391
Wound disruption/dehiscence/rupture	998.30, 998.31, 998.32, 998.33	T8130XA, T8131XA, T8132XA, T8133XA
Amputation infection	997.62	T8740, T8741, T8742, T8743, T8744
Infected postoperative seroma	998.51	T814XXA, T792XXA
Peritoneal abscess	567.22, 540.1	K651, K353
Bleeding Code		
Hemorrhage or hematoma	285.1, 459.0, 958.2, 998.11, 998.12, 998.13	D62, R58, T792XXA, D7801, D7802, D7821, D7822, D7831, D7832, D7833, D7834, E3601, E3602, E89810, E89811, E89820, E89821, E89822, E89823, G9731, G9732, G9751, G9752, G9761, G9762, G9763, G9764, H59111, H59112, H59113, H59119, H59121, H59122, H59123, H59129, H59311, H59312, H59313, H59319, H59321, H59322, H59323, H59329, H59331, H59332, H59333, H59339, H59341, H59342, H59343, H59349, H59351, H59352, H59353, H59359, H59361, H59362, H59363, H59369, H9521, H9522, H9541, H9542, H9551, H9552, H9553, H9554, I97410, I97411, I97418, I9742, I97610, I97611, I97618, I97620, I97621, I97622, I97630, I97631, I97638, I97640, I97641, I97648, J9561, J9562, J95830, J95831, J95860, J95861, J95862, J95863, K9161, K9162, K91840, K91841, K91870, K91871, K91872, K91873, L7601, L7602, L7621, L7622, L7631, L7632, L7633, L7634, M96810, M96811, M96830, M96831, M96840, M96841, M96842, M96843, N9961, N9962, N99820, N99821, N99840,

		N99841, N99842, N99843, T888XXA
Gastrointestinal-Related Codes		
Ostomy care/complications	V55.0, V55.1, V55.2, V55.3, V55.4, V55.5, V55.6, 569.60, 569.61, 569.69	K9400, K9402, K9409, K9410, K9412, K9419, Z430, Z431, Z432, Z433, Z434, Z435, Z436
Device Complications		
Catheter-related bloodstream infection	996.62, 996.69, 999.31, 999.32, 999.33	T80211A, T80212A, T80219A, T827XXA, T8579XA
Renal Failure and Electrolyte Disorders		
Other fluid and electrolyte disorders	276.0, 276.1, 276.2, 276.3, 276.4, 276.50, 276.51, 276.52, 276.61, 276.69, 276.7, 276.8, 276.9	E860, E861, E869, E870, E871, E872, E873, E874, E875, E876, E8770, E8771, E8779, E878
Acute renal failure	584.5, 584.6, 584.7, 584.8, 584.9	N170, N171, N172, N178, N179
Other		
Anemia	280.0, 280.1, 280.9, 285.1, 285.9	D1800, D1801, D1809, D62, D649
Urinary tract infection	599.0, 996.64	N390, T83510A, T83511A, T83512A, T83518A
Bacterial pneumonia	482.0, 482.1, 482.2, 482.3, 482.30, 482.31, 482.32, 482.39, 482.4, 482.40, 482.41, 482.49, 482.8, 482.81, 482.82, 482.83, 482.84, 482.89, 482.9, 485, 486, 507.0, 514	A481, J14, J150, J151, J1520, J15211, J15212, J1529, J153, J154, J155, J156, J158, J159, J180, J182, J189, J690, J811
PSI postoperative sepsis	038.0, 038.10, 038.11, 038.19, 038.2, 038.3, 038.4, 038.41, 038.42, 038.43, 038.44, 038.49, 038.8, 038.9, 785.52, 785.59, 995.91, 995.92, 998.0	A400, A401, A403, A408, A409, A4101, A4102, A411, A412, A413, A414, A4150, A4151, A4152, A4153, A4159, A4181, A4189, A419, A5486, B377, R571, R6520, R6521, T8110XA, T8111XA, T8112XA
PSI postoperative pulmonary embolism or deep vein thrombosis	415.11, 415.19, 451.11, 451.19, 451.2, 451.81, 451.9, 453.40, 453.41, 453.42, 453.87, 453.89, 453.9	I2690, I2699, I8010, I80209, I80211, I80212, I80213, I80219, I80232, I80233, I80239, I80291, I80292, I80293, I80299, I803, I809, I82210, I82220, I82221, I82290, I82401, I82402, I82403, I82409, I82411, I82412, I82413, I82419, I82421, I82422, I82423, I82429, I82431, I82432, I82433, I82439, I82449, I82499, I824Y1, I824Y2, I824Y3, I824Y9, I824Z9, I82609,

		I82619, I82629, I82890, I8290, I8291, I82A19, I82B19, I82C19, T800XXA, T81718A, T8172XA, T82817A, T82818A
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Abbreviations: ICD-9, *International Classification of Diseases, Ninth Revision*; ICD-10, *International Classification of Diseases, Tenth Revision*; PSI, Agency for Healthcare Research and Quality patient safety indicator.¹

^aThe Delphi panel comprised 14 individuals. Each panelist rated readmission reasons on a scale of 1 to 5, with 1 indicating never related and 5, directly related to index surgery quality. *Consensus* was defined as interquartile range of 1 or lower.

^bICD-10 codes are from the 2018 General Equivalence Mappings.²

References

1. Agency for Healthcare Research and Quality. Patient safety indicators overview. http://www.qualityindicators.ahrq.gov/Modules/psi_resources.aspx. Accessed October 1, 2017.
2. Centers for Medicare & Medicaid Services. 2018 ICD-10 CM and GEMs. <https://www.cms.gov/Medicare/Coding/ICD10/2018-ICD-10-CM-and-GEMs.html>. Modified August 11, 2017. Accessed March 12, 2018.