Differences in Hospital Length of Stay and Total Hospital Charge by Income Level in Patients Hospitalized for Hip Fractures

Osteoporosis International

Anthony J Milto MD, Youssef El Bitar MD, Steven L Scaife MS, Sowmyanarayanan Thuppal MD, PhD

Division of Orthopedics and Rehabilitation, Department of Surgery, Southern Illinois University School of Medicine

Center for Clinical Research, Southern Illinois University School of Medicine

Corresponding Author Email: sthuppal83@siumed.edu

Hip Fracture ICD 10 CM Codes

S72.001A, S72.001B, S72.001C, S72.002A, S72.002B, S72.002C, S72.009A, S72.009B, S72.009C, S72.011A, S72.011B, S72.011C, S72.012A, S72.012B, S72.012C, S72.019A, S72.019B, S72.019C, S72.021A, S72.021B, S72.021C, S72.022A, S72.022B, S72.022C, S72.023A, S72.023B, S72.023C, S72.024A, S72.024B, S72.024C, S72.025A, S72.025B, S72.025C, S72.026A, S72.026B, S72.026C, S72.031A, S72.031B, S72.031C, S72.032A, S72.032B, S72.032C, S72.033A, S72.033B, S72.033C, S72.034A, S72.034B, S72.034C, S72.035A, S72.035B, S72.035C, S72.036A, S72.036B, S72.036C, S72.041A, S72.041B, S72.041C, S72.042A, S72.042B, S72.042C, S72.043A, S72.043B, S72.043C, S72.044A, S72.044B, S72.044C, S72.045A, S72.045B, S72.045C, S72.046A, S72.046B, S72.046C, S72.051A, S72.051B, S72.051C, S72.052A, S72.052B, S72.052C, S72.059A, S72.059B, S72.059C, S72.061A, S72.061B, S72.061C, S72.062A, S72.062B, S72.062C, S72.063A, S72.063B, S72.063C, S72.064A, S72.064B, S72.064C, S72.065A, S72.065B, S72.065C, S72.066A, S72.066B, S72.066C, S72.091A. S72.091B. S72.091C. S72.092A, S72.092B, S72.092C, S72.099A, S72.099B, S72.099C, S72.101A, S72.101B, S72.101C, S72.102A, S72.102B, S72.102C, S72.109A, S72.109B, S72.109C, S72.111A, S72.111B, S72.111C, S72.112A, S72.112B, S72.112C, S72.113A, S72.113B, S72.113C, S72.114A, S72.114B, S72.114C, S72.115A, S72.115B, S72.115C, S72.116A, S72.116B, S72.116C, S72.121A, S72.121B, S72.121C, S72.122A, S72.122B, S72.122C, S72.123A, S72.123B, S72.123C, S72.124A, S72.124B, S72.124C, S72.125A, S72.125B, S72.125C, S72.126A, S72.126B, S72.126C, S72.131A, S72.131B, S72.131C, S72.132A, S72.132B, S72.132C, S72.133A, S72.133B, S72.133C, S72.134A, S72.134B, S72.134C, S72.135A, S72.135B, S72.135C, S72.136A, S72.136B, S72.136C, S72.141A, S72.141B, S72.141C, S72.142A, S72.142B, S72.142C, S72.143A, S72.143B, S72.143C, S72.144A, S72.144B, S72.144C, S72.145A, S72.145B, S72.145C, S72.146A, S72.146B, S72.146C, S72.21XA, S72.21XB, S72.21XC, S72.22XA, S72.22XB, S72.22XC, S72.23XA, S72.23XB, S72.23XC, S72.24XA, S72.24XB, S72.24XC, S72.25XA, S72.25XB, S72.25XC, S72.26XA, S72.26XB, S72.26XC

Treatment ICD 10 PCS Codes

<u>THA:</u> 0SR9019, 0SR901A, 0SR901Z, 0SR9029, 0SR902A, 0SR902Z, 0SR9039, 0SR903A, 0SR903Z, 0SR9049, 0SR904A, 0SR904Z, 0SR9069, 0SR906A, 0SR906Z, 0SR90J9, 0SR90JA, 0SR90JZ, 0SRB019, 0SRB01A, 0SRB01Z, 0SRB029, 0SRB02A, 0SRB02Z, 0SRB039, 0SRB03A, 0SRB03Z, 0SRB049, 0SRB04A, 0SRB04Z, 0SRB069, 0SRB06A, 0SRB06Z, 0SRB0J9, 0SRB0JA, 0SRB0JZ

Hemiarthroplasty: 0SRR019, 0SRR01A, 0SRR01Z, 0SRR039, 0SRR03A, 0SRR03Z, 0SRR0J9, 0SRR0JA, 0SRR0JZ, 0SRS01A, 0SRS01A, 0SRS03A, 0SRS03A, 0SRS03Z, 0SRS0J9, 0SRS0JA, 0SRS0JZ, 0QR60JZ, 0QR63JZ, 0QR64JZ, 0QR70JZ, 0QR73JZ, 0QR74JZ

<u>Internal Fixation</u>: 0QQ60ZZ, 0QQ63ZZ, 0QQ64ZZ, 0QQ70ZZ, 0QQ73ZZ, 0QQ74ZZ, 0QS604Z, 0QS606Z, 0QS634Z, 0QS636Z, 0QS644Z, 0QS646Z, 0QS704Z, 0QS706Z, 0QS734Z, 0QS736Z, 0QS744Z, 0QS746Z, 0QH604Z, 0QH606Z, 0QH634Z, 0QH636Z, 0QH644Z, 0QH646Z, 0QH704Z, 0QH706Z, 0QH734Z, 0QH736Z, 0QH744Z, 0QH746Z, 0SQ90ZZ, 0SQ93ZZ, 0SQ94ZZ, 0SQB0ZZ, 0SQB3ZZ, 0SQB4ZZ, 0QS704Z, 0QS706Z, 0QS734Z, 0QS736Z, 0QS744Z, 0QS746Z

Comorbidity ICD 10 CM codes

Obesity (*BMI* > 30): E66.01, E66.09, E66.1, E66.2, E66.8, E66.9

Diabetes Mellitus: E08, E09, E10, E11, E12, E13

<u>*Heart Disease:*</u> 101, 105, 106, 107, 108, 109, 111, 112, 113, 120, 121, 122, 123, 124, 125, 134, 135, 136, 137, 142, 143, 144, 145, 147, 148, 149, 150, 152

Lung Disease: I26, I27, I28, J40, J41, J42, J43, J44, J45, J46, J47, J60, J61, J62, J63, J64, J65, J66, J67, J68, J69, J70, J96, J97, J98, J99

<u>*Kidney Disease:*</u> N00, N01, N02, N03, N04, N05, N06, N07, N08, N09, N10, N11, N12, N13, N14, N15, N16, N17, N18, N19, N25, N26, N27, N28, N29, Z49, Z94.0, Z99.2

Liver Disease: B15, B16, B17, B18, B19, K70, K71, K72, K73, K74, K75, K76, K77, Z94.4

Peripheral Vascular Disease: 170, 173, 174, 175

Hyperlipidemia: E78.00, E78.01, E78.1, E78.2, E78.3, E78.41, E78.49, E78.5, E78.6, E78.70, E78.71, E78.72, E78.79, E78.81, E78.89, E78.9

Hypertension: I10, I15, I16

<u>*Cancer:*</u> C00, C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96

Dementia: F01, F02, F03, G10, G30, G31, G32

Cerebrovascular Disease: 160, 161, 162, 163, 165, 166, 167, 168, 169

Alcohol abuse: F10.1

Tobacco use: Z72.0