

Supplemental Digital Content 3. Individual Elixhauser comorbidities by multimodal categorization; knee arthroplasties

	Opioids Only		1 Mode		Multimodal Use		2+ Modes	
	n=143,354		n=288,866		n=286,659		n=309,190	
	n	%	n	%	n	%	n	%
ELIXHAUSER COMORBIDITIES								
<i>Hypertension, Uncomplicated</i>	92,619	64.6	186,720	64.6	182,846	63.8	194,394	62.9
<i>Hypertension, Complicated</i>	8,322	5.8	15,610	5.4	14,795	5.2	14,286	4.6
<i>Obesity</i>	29,645	20.7	63,657	22.0	68,273	23.8	81,497	26.4
<i>Congestive Heart Failure</i>	4,053	2.8	7,684	2.7	7,061	2.5	7,056	2.3
<i>Valvular Disease</i>	6,353	4.4	11,338	3.9	10,916	3.8	10,942	3.5
<i>Pulmonary Circulation Disorders</i>	1,671	1.2	2,987	1.0	2,731	1.0	2,656	0.9
<i>Peripheral Vascular Disorders</i>	3,243	2.3	6,102	2.1	6,001	2.1	6,218	2.0
<i>Paralysis</i>	380	0.3	807	0.3	798	0.3	752	0.2
<i>Other Neurological Disorders</i>	3,036	2.1	6,263	2.2	6,141	2.1	6,682	2.2
<i>Chronic Pulmonary Disease</i>	21,310	14.9	43,691	15.1	43,751	15.3	47,503	15.4
<i>Diabetes, Uncomplicated</i>	29,700	20.7	59,283	20.5	57,246	20.0	59,811	19.3
<i>Diabetes, Complicated</i>	2,129	1.5	4,844	1.7	5,518	1.9	7,201	2.3
<i>Hypothyroidism</i>	23,297	16.3	47,081	16.3	47,521	16.6	51,548	16.7
<i>Renal Failure</i>	7,788	5.4	14,160	4.9	13,905	4.9	13,541	4.4
<i>Liver Disease</i>	1,262	0.9	2,487	0.9	2,635	0.9	3,024	1.0
<i>Peptic Ulcer Disease</i>	34	0.0	58	0.0	32	0.0	54	0.0
<i>AIDS/HIV</i>	17	0.0	34	0.0	44	0.0	66	0.0
<i>Lymphoma</i>	348	0.2	612	0.2	655	0.2	667	0.2
<i>Metastatic Cancer</i>	96	0.1	167	0.1	150	0.1	154	0.1
<i>Solid Tumor without Metastasis</i>	715	0.5	1,297	0.4	1,169	0.4	1,266	0.4
<i>Rheumatoid Arthritis</i>	4,904	3.4	11,156	3.9	12,903	4.5	16,398	5.3
<i>Coagulopathy</i>	2,987	2.1	5,627	1.9	5,791	2.0	6,171	2.0
<i>Fluid and Electrolyte Disorders</i>	14,299	10.0	24,077	8.3	22,068	7.7	22,177	7.2
<i>Blood Loss Anemia</i>	2,124	1.5	4,181	1.4	3,527	1.2	2,940	1.0
<i>Weight Loss</i>	419	0.3	626	0.2	631	0.2	615	0.2
<i>Deficiency Anemia</i>	22,090	15.4	39,765	13.8	37,437	13.1	34,418	11.1
<i>Alcohol Abuse</i>	530	0.4	1,000	0.3	1,056	0.4	1,239	0.4
<i>Drug Abuse</i>	360	0.3	988	0.3	1,234	0.4	1,803	0.6
<i>Psychoses</i>	2,567	1.8	5,430	1.9	5,769	2.0	6,635	2.1
<i>Depression</i>	15,863	11.1	35,342	12.2	38,461	13.4	44,927	14.5