

Supplemental Digital Content 2. Individual Elixhauser comorbidities by multimodal categorization; hip arthroplasties.

	Opioids Only		1 Mode		Multimodal Use		2+ Modes	
	n=78,943		n=145,264		n=139,231		n=148,955	
	n	%	n	%	n	%	n	%
ELIXHAUSER COMORBIDITIES								
<i>Hypertension, Uncomplicated</i>	44,883	56.9	81,704	56.2	76,996	55.3	80,510	54.1
<i>Hypertension, Complicated</i>	4,364	5.5	7,093	4.9	6,232	4.5	5,515	3.7
<i>Obesity</i>	11,495	14.6	22,431	15.4	23,240	16.7	27,709	18.6
<i>Congestive Heart Failure</i>	2,337	3.0	3,773	2.6	3,174	2.3	3,163	2.1
<i>Valvular Disease</i>	3,598	4.6	6,086	4.2	5,256	3.8	4,961	3.3
<i>Pulmonary Circulation Disorders</i>	728	0.9	1,155	0.8	986	0.7	862	0.6
<i>Peripheral Vascular Disorders</i>	2,121	2.7	3,474	2.4	3,164	2.3	3,048	2.0
<i>Paralysis</i>	248	0.3	458	0.3	454	0.3	425	0.3
<i>Other Neurological Disorders</i>	1,734	2.2	2,949	2.0	2,835	2.0	2,966	2.0
<i>Chronic Pulmonary Disease</i>	11,475	14.5	20,599	14.2	19,924	14.3	20,918	14.0
<i>Diabetes, Uncomplicated</i>	11,177	14.2	19,862	13.7	18,467	13.3	19,050	12.8
<i>Diabetes, Complicated</i>	864	1.1	1,619	1.1	1,822	1.3	2,099	1.4
<i>Hypothyroidism</i>	11,064	14.0	20,165	13.9	19,352	13.9	20,231	13.6
<i>Renal Failure</i>	4,225	5.4	6,846	4.7	6,128	4.4	5,421	3.6
<i>Liver Disease</i>	764	1.0	1,397	1.0	1,340	1.0	1,475	1.0
<i>Peptic Ulcer Disease</i>	22	0.0	29	0.0	22	0.0	21	0.0
<i>AIDS/HIV</i>	76	0.1	165	0.1	133	0.1	138	0.1
<i>Lymphoma</i>	256	0.3	451	0.3	450	0.3	439	0.3
<i>Metastatic Cancer</i>	170	0.2	289	0.2	228	0.2	204	0.1
<i>Solid Tumor without Metastasis</i>	491	0.6	867	0.6	695	0.5	716	0.5
<i>Rheumatoid Arthritis</i>	2,686	3.4	5,602	3.9	6,199	4.5	7,218	4.8
<i>Coagulopathy</i>	1,831	2.3	3,127	2.2	3,073	2.2	2,832	1.9
<i>Fluid and Electrolyte Disorders</i>	8,147	10.3	12,358	8.5	10,602	7.6	9,799	6.6
<i>Blood Loss Anemia</i>	1,468	1.9	2,393	1.6	1,744	1.3	1,410	0.9
<i>Weight Loss</i>	434	0.6	601	0.4	517	0.4	492	0.3
<i>Deficiency Anemia</i>	12,794	16.2	20,183	13.9	17,687	12.7	15,753	10.6
<i>Alcohol Abuse</i>	560	0.7	962	0.7	892	0.6	1,000	0.7
<i>Drug Abuse</i>	425	0.5	966	0.7	1,026	0.7	1,377	0.9
<i>Psychoses</i>	1,271	1.6	2,399	1.7	2,494	1.8	2,783	1.9
<i>Depression</i>	7,890	10.0	15,933	11.0	16,292	11.7	18,940	12.7