

Michigan Value Collaborative Resource Utilization Report

Resource Utilization for 17 Common Elective Surgeries at Michigan Hospitals

Procedure	Index Hospitalization										30 Days Post-Op	
	Inpatient	Median IP LOS (days)	Any ICU	Ventilator Utilization	Blood Product Utilization	Discharge Dispositions					Readmissions	ED
						Home	HH	SNF	IPR	LTC		
CABG (n=19,382)	100.0%	9	91.2%	12.4%	46.1%	12.0%	61.3%	15.7%	7.2%	1.4%	11.2%	46.7%
Colorectal Cancer (n=8,064)	100.0%	6	20.3%	2.5%	23.0%	55.5%	28.1%	12.0%	1.9%	0.6%	11.0%	36.9%
Disc Herniation (n=11,444)	50.3%	3	3.6%	0.8%	3.1%	84.1%	7.8%	4.9%	2.4%	0.0%	3.8%	23.3%
Endarterectomy (n=13,803)	100.0%	2	68.4%	1.3%	2.9%	89.7%	6.2%	2.2%	1.1%	0.2%	7.2%	27.4%
Esophagectomy (n=187)	100.0%	10	62.6%	12.8%	24.6%	23.0%	58.3%	9.6%	1.1%	4.3%	16.6%	39.0%
Gastrectomy (n=190)	100.0%	10	52.1%	7.4%	35.8%	37.9%	38.9%	12.6%	3.7%	1.6%	15.8%	43.2%
Gastric Bypass (n=3,341)	100.0%	3	9.2%	1.0%	4.3%	91.6%	6.6%	1.1%	0.3%	0.1%	5.6%	25.1%
Heart Valve Repair (n=17,013)	100.0%	7	87.2%	12.0%	44.0%	24.1%	47.4%	17.4%	5.3%	1.8%	13.1%	37.5%
Hernia Repair – Abdominal (n=36,783)	28.3%	5	5.3%	1.1%	2.2%	91.5%	4.7%	2.4%	0.4%	0.2%	5.1%	24.0%
Hernia Repair – Groin (n=38,428)	5.6%	4	1.2%	0.3%	0.7%	97.5%	1.0%	1.0%	0.1%	0.0%	2.5%	16.0%
Hysterectomy (n=32,881)	25.5%	3	1.6%	0.2%	2.8%	98.1%	1.1%	0.4%	0.1%	0.0%	2.6%	15.9%
Joint Replacement (n=145,018)	99.0%	3	1.6%	0.1%	7.0%	26.4%	51.4%	19.9%	1.9%	0.0%	3.0%	16.6%
Kidney Stone Surgery (n=46,739)	11.0%	3	1.5%	0.3%	0.6%	97.0%	1.0%	1.1%	0.1%	0.1%	5.3%	32.9%
Lung Cancer Resection (n=4,813)	100.0%	6	74.8%	5.2%	9.2%	54.8%	33.7%	6.6%	1.9%	0.9%	8.7%	29.2%
Pancreatectomy (n=2,166)	100.0%	9	61.6%	7.9%	35.8%	45.3%	30.7%	13.9%	4.0%	2.3%	20.9%	46.7%
Prostatectomy (n=7,149)	84.8%	2	2.4%	0.2%	4.5%	91.1%	7.9%	0.6%	0.1%	0.0%	4.8%	20.0%
Sleeve (n=14,433)	100.0%	3	3.7%	0.2%	1.4%	93.7%	5.9%	0.1%	0.1%	0.0%	2.0%	16.3%

IP = Inpatient. LOS = Length of Stay. ICU = Intensive Care Unit. HH=Home Health. SNF = Skilled Nursing Facility. IPR = Inpatient Rehab. LTC = Long-term care. ED = Emergency Department.

Based on Michigan Value Collaborative administrative claims data from 2012-2019 from the following payers: Medicare FFS, Blue Cross Blue Shield (BCBSM) PPO Commercial, BCBSM Medicare Advantage, Blue Care Network (BCN) Commercial, BCN Medicare Advantage. The Michigan Value Collaborative is a Collaborative Quality Initiative made up of 87 Michigan hospitals that is funded by Blue Cross Blue Shield of Michigan. Report generated 4/15/2020. For more information, visit www.michiganvalue.org or email michiganvaluecollaborative@gmail.com.