



Preoperative Testing Report - BCBSM Payers Hospital A

Dear hospital partner,

This preoperative testing report was developed to support healthcare professionals in reducing the use of unnecessary preoperative testing for low-risk surgical procedures. This report was created by the Michigan Value Collaborative (MVC) as part of its Preoperative Testing Value Coalition Campaign (VCC), which endeavors to improve quality, reduce cost, and improve the equity of care delivery in Michigan. To extend the reach of this effort and encourage collaboration among clinical and quality personnel, MVC has partnered with the Michigan Surgical Quality Collaborative (MSQC) to distribute these reports more widely. MVC suspects that preoperative testing is overused to an extent that even hospitals with average or below average rates may still have significant opportunities to safely reduce preoperative testing.

Report Details

- Patients Included
 - ICD-10 diagnosis and procedure codes and CPT codes were used to identify the patients undergoing **elective and outpatient laparoscopic cholecystectomy, laparoscopic inguinal hernia repair and lumpectomy**. A complete list of codes is located on the MVC Registry under the resources tab or can be shared upon request.
 - Hospitals only received data if they had at least 11 index admissions in one of the three conditions and at least 20 admissions across all three conditions between 1/1/2021-12/31/2022.
- Patients Excluded
 - Patients with history of acute myocardial infarction, renal failure, angina pectoris, cardiorespiratory failure, chronic hepatitis, chronic kidney disease stage-4 or stage-5, cirrhosis of liver, coagulation defects, congestive heart failure, end stage liver disease, pneumococcal pneumonia, protein calcium malnutrition, septicemia, arrhythmia, unstable angina, vascular disease with or without complications or amyotrophic lateral sclerosis in the past six months were excluded.
- Comparison Groups
 - "MVC All" data reflect rates and averages among all MVC hospitals with attributed patient episodes meeting the above criteria.
 - "[Your Region](#)" data reflect rates and averages among all MVC hospitals in your region of the state.
- Tests Evaluated
 - Claims were evaluated in the 30 days prior to low-risk surgical procedures for the following common tests: electrocardiogram, echocardiogram, cardiac stress test, complete blood count, basic metabolic panel, comprehensive metabolic panel, coagulation studies, urinalysis, chest x-ray, and pulmonary function test.
 - Tests performed in the emergency department or inpatient setting were excluded.
 - Tests were identified using CPT codes, which do not distinguish between testing for preoperative purposes and testing for other reasons.
- Data sources
 - Blue Care Network (BCN) Commercial and Medicare Advantage (MA) claims
 - Blue Cross Blue Shield of Michigan (BCBSM) PPO Commercial and MA claims

For additional resources around preoperative testing de-implementation, visit [Waive the Workup](#) website, co-managed by MVC, MSQC, and the Michigan Program on Value Enhancement (MProVE). If you have any questions or would like to see additional preoperative testing data for your hospital, please reach out to the MVC Coordinating Center at Michigan-Value-Collaborative@med.umich.edu.

Thank you for your partnership,
MVC Coordinating Center

Support for MVC is provided by Blue Cross and Blue Shield of Michigan and Blue Care Network as part of the BCBSM Value Partnerships program. Although BCBSM and MVC work in partnership, the opinions, beliefs, and viewpoints expressed by MVC do not necessarily reflect the opinions, beliefs, and viewpoints of BCBSM or any of its employees.



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Your Hospital's Elective and Outpatient Cholecystectomy, Hernia Repair, and Lumpectomy Patient Population Snapshot*		
	No Preoperative Testing	Preoperative Testing
Average Age	50.5	55.4
Percent with 0 Comorbidities	72.3%	65.1%
Percent with 1 Comorbidity	25.8%	31.5%
Percent with 2+ Comorbidities	1.9%	3.4%
Top 3 Comorbidities (When Available)	Diabetes (11.0%), COPD (4.5%), Cancer (1.9%)	Diabetes (16.8%), COPD (4.0%), Cancer (3.4%)
American Indian or Alaska Native	0.0%	0.8%
Asian or Pacific Islander	0.8%	0.8%
Black	2.4%	5.9%
Hispanic	1.6%	4.2%
White	88.7%	79.7%

Preoperative Testing Rates Among Elective and Outpatient Cholecystectomy, Hernia Repair, and Lumpectomy Patients									
	Cholecystectomy (N=132)			Hernia Repair (N=98)			Lumpectomy (N=74)		
	Your Hospital	Your Region	MVC All	Your Hospital	Your Region	MVC All	Your Hospital	Your Region	MVC All
Any Tests	44.7%	38.9%	37.8%	43.9%	31.2%	34.3%	63.5%	52.0%	53.9%
Electrocardiography	15.2%	13.0%	12.6%	16.3%	12.2%	14.9%	45.9%	22.3%	24.0%
Cardiac Tests	0.0%	1.5%	1.3%	2.0%	1.3%	1.2%	2.7%	4.0%	4.3%
Blood Tests	33.3%	28.8%	28.4%	32.7%	22.5%	25.2%	55.4%	42.4%	43.3%
Urinalysis	9.1%	8.5%	7.0%	17.3%	7.3%	5.9%	5.4%	7.6%	5.8%
Chest X-Ray	0.8%	1.7%	2.1%	0.0%	1.2%	1.7%	41.9%	11.8%	9.2%
Pulmonary Function Tests	0.0%	0.8%	0.7%	1.0%	0.5%	0.4%	1.4%	0.5%	0.6%

N/A indicates that there are no episodes for a particular condition.

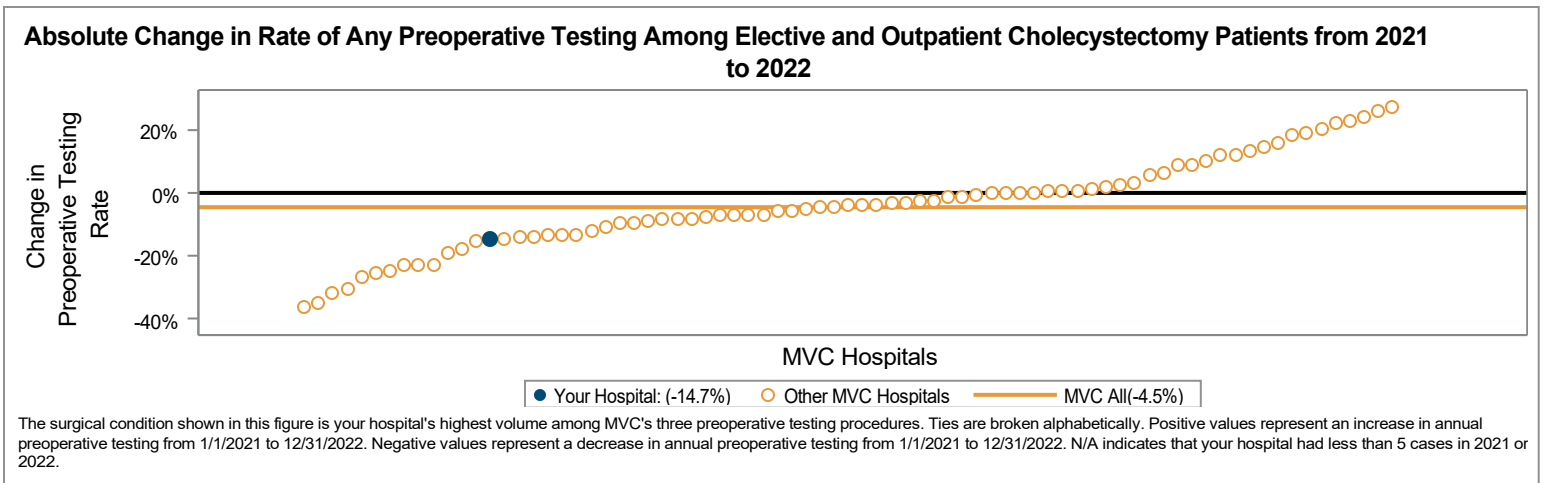
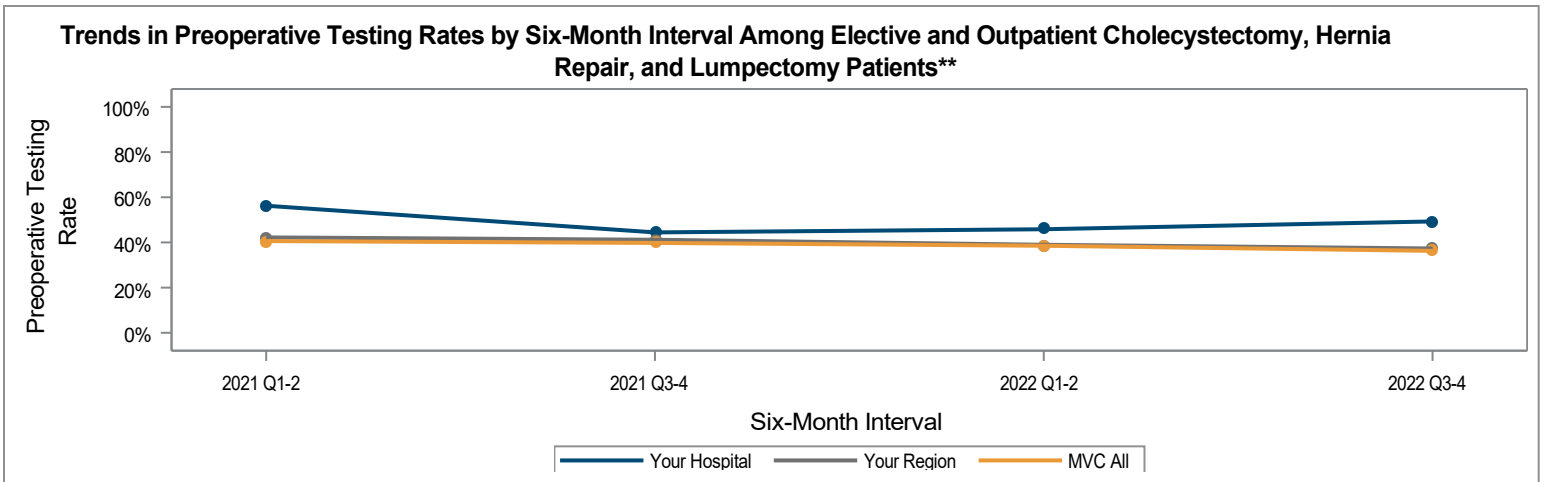
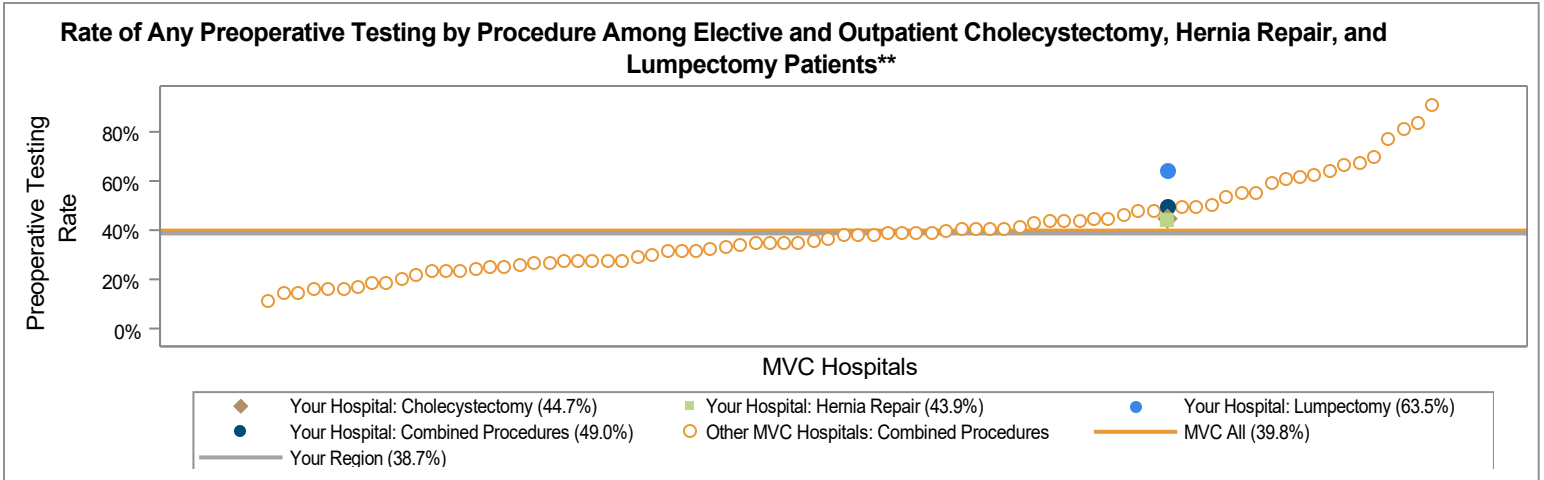
*Comorbidity count is calculated out of 10 common HCC groupings (chronic kidney disease (CKD), cerebrovascular accident (CVA), cancer, COPD, diabetes, respiratory dysfunction, atherosclerosis, neurological disorders, drug or alcohol dependence, and psychological disorders). Cancer is not included as a comorbidity for lumpectomy. Race data are available for BCBSM, and are not available for BCN.

Data source: Claims from the 30 days before the start of a qualifying MVC episode from BCBSM PPO Commercial, BCBSM PPO MA, BCN Commercial, and BCN MA.

Reporting period: Index admissions from 1/1/21 - 12/31/22. Report Generated 11/09/23



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The surgical condition shown in this figure is your hospital's highest volume among MVC's three preoperative testing procedures. Ties are broken alphabetically. Positive values represent an increase in annual preoperative testing from 1/1/2021 to 12/31/2022. Negative values represent a decrease in annual preoperative testing from 1/1/2021 to 12/31/2022. N/A indicates that your hospital had less than 5 cases in 2021 or 2022.

N/A indicates that there are no episodes for a particular condition.

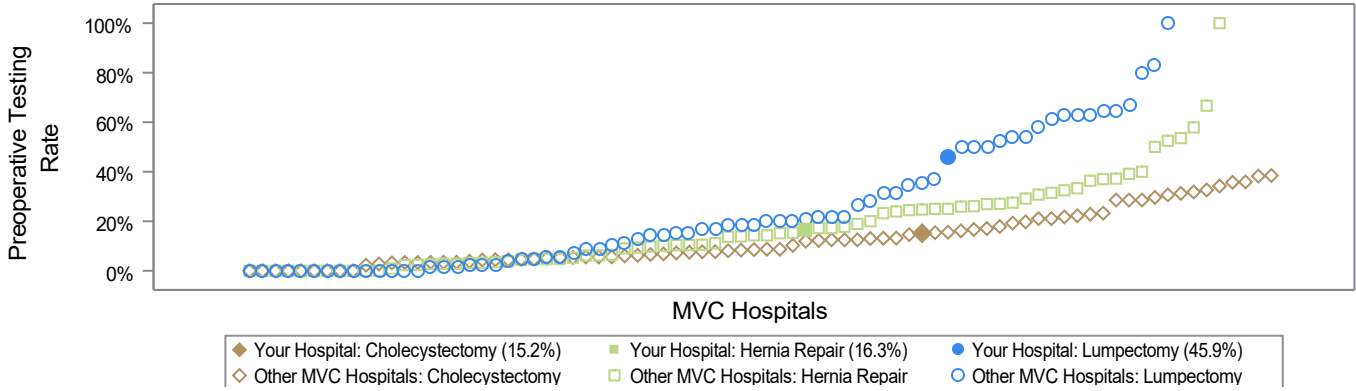
**Tests include any of the following: electrocardiography, trans-thoracic echocardiography, cardiac stress tests, chest x-ray, urinalysis, complete blood count, basic metabolic panel, comprehensive metabolic panel, coagulation tests, and pulmonary function tests.

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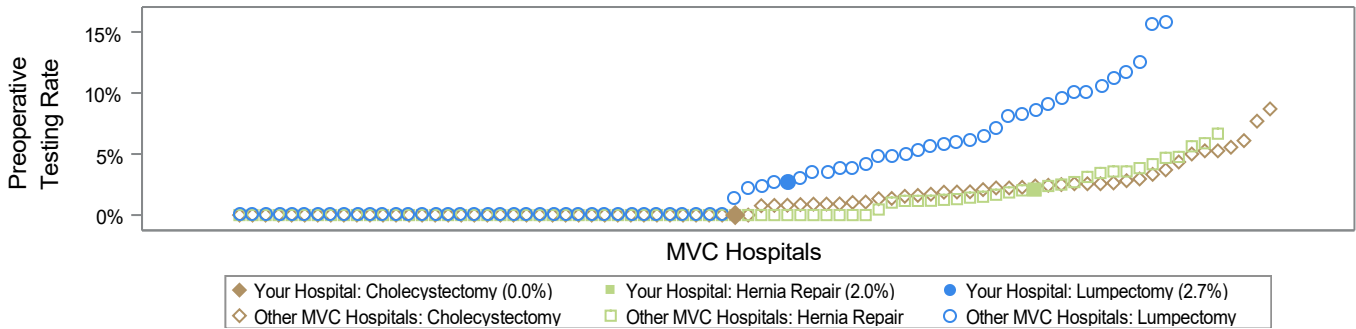
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Preoperative Electrocardiography Rates Among Elective and Outpatient Cholecystectomy, Hernia Repair, and Lumpectomy Patients

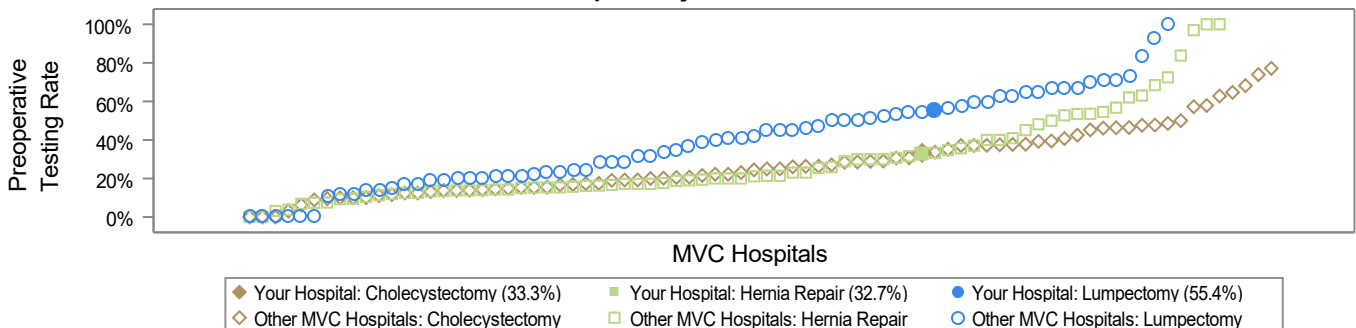


Preoperative Cardiac Testing Rates Among Elective and Outpatient Cholecystectomy, Hernia Repair, and Lumpectomy Patients



Cardiac tests include trans-thoracic echocardiography and cardiac stress tests

Preoperative Blood Testing Rates Among Elective and Outpatient Cholecystectomy, Hernia Repair, and Lumpectomy Patients



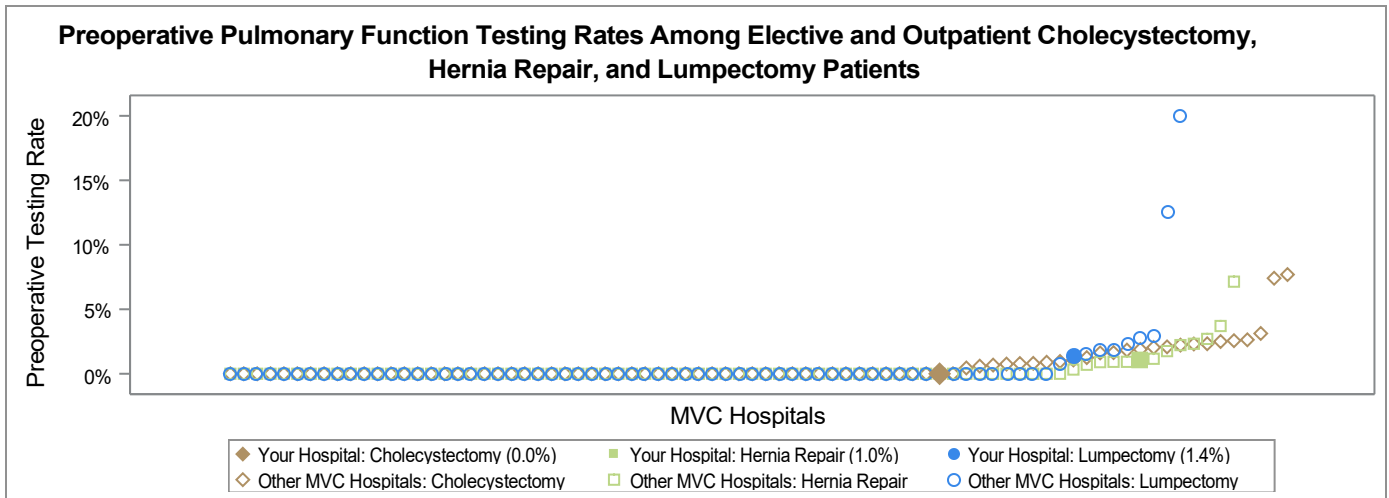
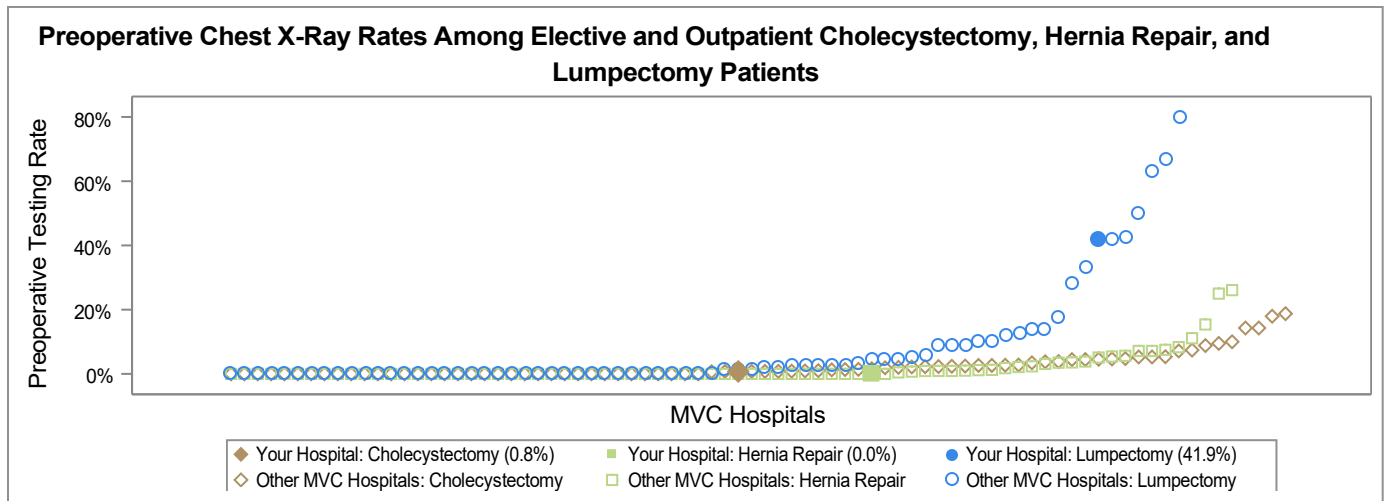
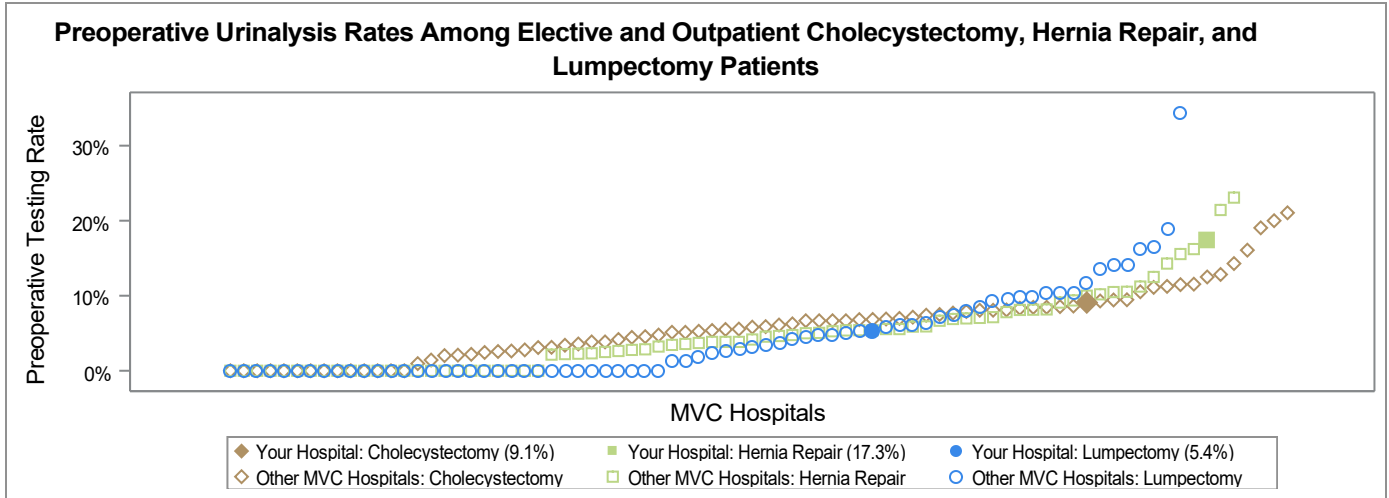
Blood tests include complete blood count, coagulation tests, basic metabolic panel and comprehensive metabolic panel

N/A indicates that there are no episodes for a particular condition.

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