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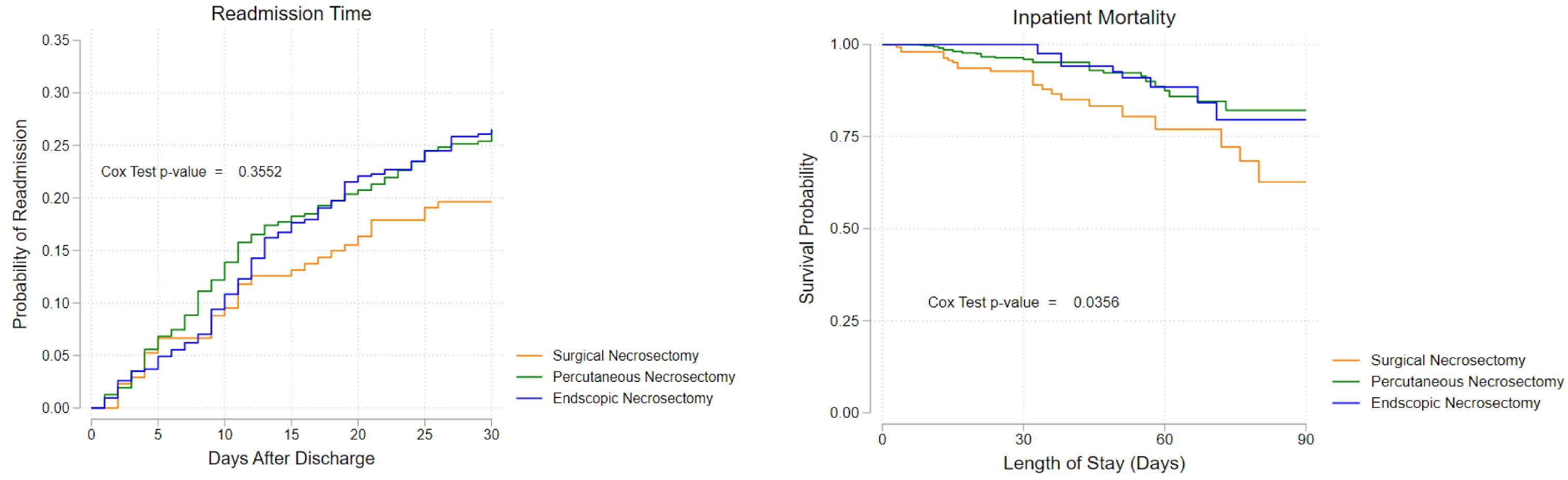
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THE NEED

- Pancreatic necrosis is an independent predictor of morbidity and mortality among patients with acute pancreatitis.
- Nevertheless, nationwide studies evaluating the effect of surgical, percutaneous, and endoscopic intervention on clinical outcomes is not well described in the literature.
- Thus, we aimed to examine the effect of each of these interventions on 30-day readmission rates, inpatient mortality, and healthcare utilization using a national inpatient database.

METHODS

- Using the Nationwide Readmissions Database, we identified hospitalized patients who underwent pancreatic necrosectomy from 2016 to 2019.
- They were identified using the International Classification of Diseases, 10th Revision, Procedure Coding System.
- Patients were included in the study if they were at least 18 years of age with a nonelective admission diagnosis of pancreatic from January to November
- Patients were excluded if admitted in December to track 30-day readmission rates.
- Readmissions were also excluded if related to a traumatic injury.



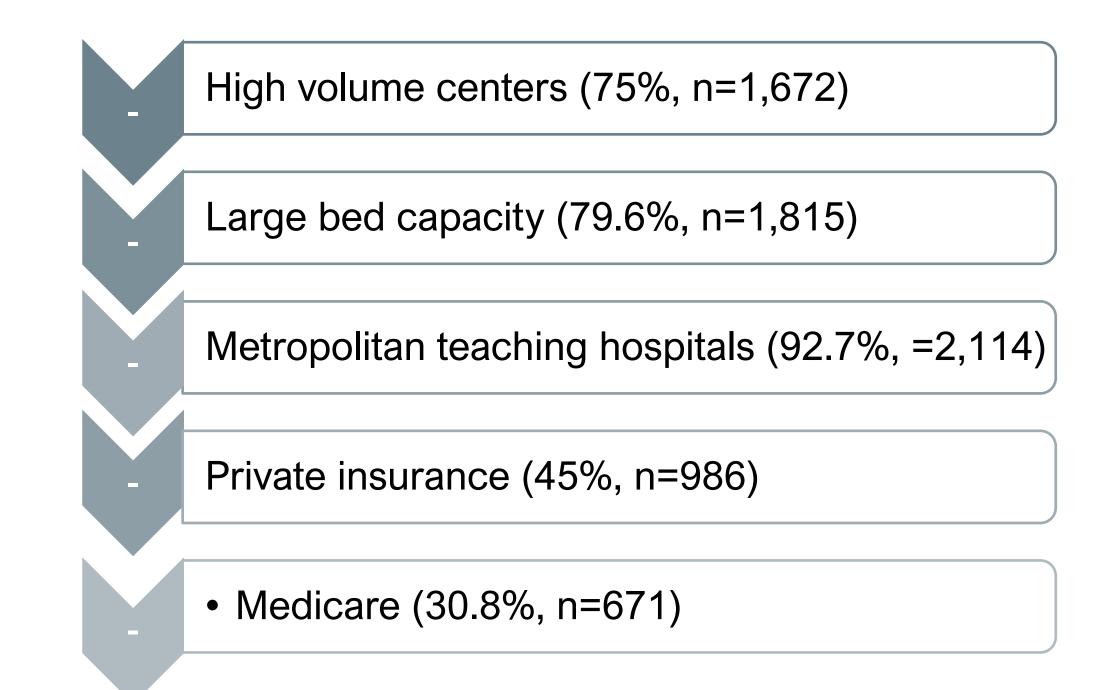
Safety of Endoscopic Pancreatic Necrosectomy Compared with Percutaneous and **Surgical Necrosectomy: A National Database Study**

Endoscopic necrosectomy is associated with significantly lower risk of inpatient mortality, adverse events, length of stay, and cost when compared to percutaneous and surgical approaches.



	<u>Surgical</u>	<u>Percutaneous</u>	<u>Endoscopic</u>
Admissions	271	1,338	672
Discharged	232	1,280	652
Readmissions	45	333	173

HOSPITAL PRACTICES



MORTALITY

- The rate of mortality was lowest for endoscopy (hazard ratio (HR) 0.27; 95% CI 0.08-0.90; P = 0.033) followed by percutaneous (HR 0.44; 95%) CI, 0.20-0.98; P = 0.045), compared to surgery.
- Endoscopy was associated with less post procedure bleeding and need for transfusion of blood products compared to percutaneous and surgical necrosectomy (n=74 vs n=195 vs n=102; P<0.001 and n=41 vs n=177 vs n=51; P<0.001, respectively).