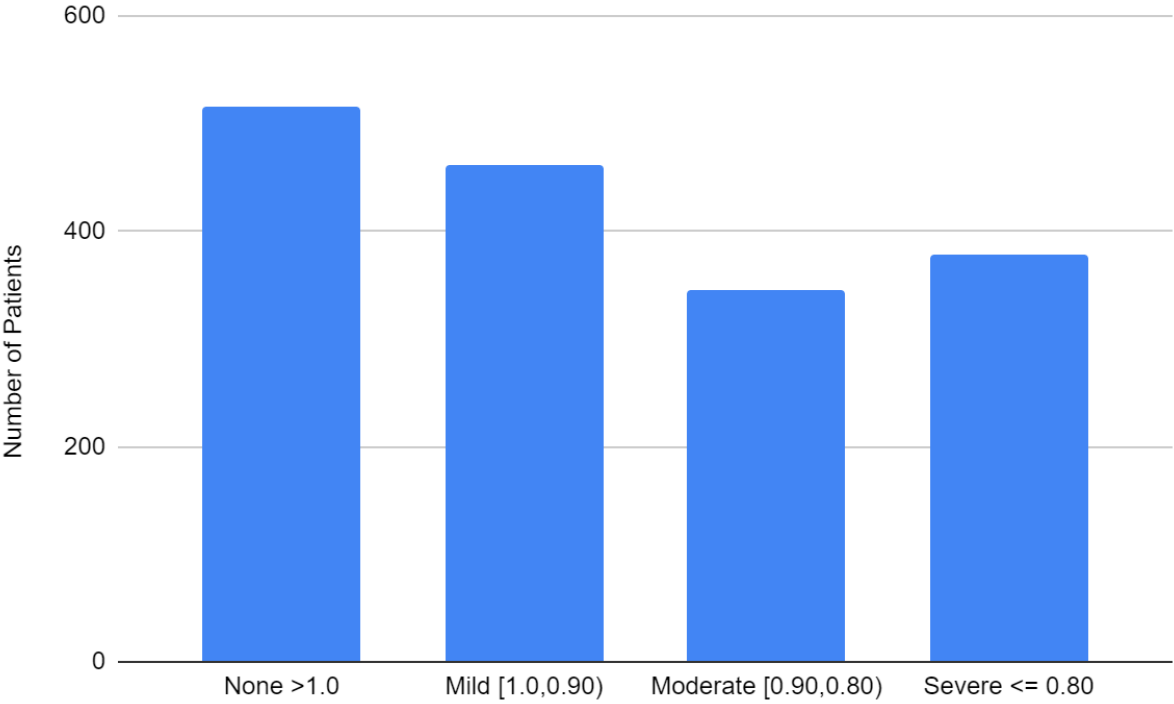


Supplementary Information, Table 1. Full List of Preoperative and Intraoperative Variables

Preoperative Variables		Intraoperative Variables	
Demographic	Age Sex Race ASA Physical Status Emergency Surgery Height Weight Body Mass Index Body Surface Area Predicted Body Weight WHO Obesity Classification	Procedural Details	Primary Anesthesia CPT Code Primary Procedural CPT Code Primary Procedural Service General Anesthetic Airway Management (ETT vs. LMA) Regional Block Neuroaxial Procedure Case Duration Median Temperature
			Resuscitation/Transfusion
Social History	Tobacco Use	Calcium Repletion	Repletion Strategy (Chloride/Gluconate/Mixed/None) Intraoperative CaCl Intraoperative Ca-Gluconate
Comorbidities (History and Physical)	Cerebrovascular Disease Complicated Diabetes Uncomplicated Diabetes	Intraoperative Laboratory	Minimum Lactate Maximum Lactate Change in Lactate Minimum Hematocrit (Hct) Partial pressure of CO ₂ (pCO ₂) Bicarbonate (HCO ₃ ⁻) ionized Calcium (iCal)
Comorbidities (Elixhauser Comorbidity Index)	AIDS/HIV Anemia secondary to Blood Loss Anemia secondary to Iron Deficiency Cardiac Arrhythmia Chronic Pulmonary Disease Coagulopathy Diabetes Fluid or Electrolyte Disorders Hypertension Hypothyroidism Liver Disease Lymphoma Metastatic Cancer Neurological Disorders Peptic Ulcer Disease Peripheral Vascular Disorders Paralysis Psychoses Pulmonary Circulation Disorders Rheumatoid Arthritis/Collagen Vascular Diseases Renal Failure Solid Tumor (without Metastasis) Valvular Diseases of the Heart Unexpected/Unanticipated Weight Loss	Postoperative Laboratory	Total Calcium Hemoglobin Hematocrit
		Vasopressors/Inotropes	Dopamine dose Ephedrine dose Epinephrine dose Phenylephrine dose Vasopressin dose Infusion of any vasopressor run intraoperatively
Laboratory Results	Albumin Brain Natriuretic Peptide (BNP) Blood Urea Nitrogen (BUN) Serum Creatinine Estimated Glomerular Filtration Rate Hematocrit Hemoglobin International Normalized Ratio (INR) Platelets ionized Calcium (iCal) White Blood Cell Count (WBC)	Hemodynamics/Hypotension	Cumulative time (min) with MAP < 55 mmHg

Supplementary Information, Figure 1. Distribution of Hypocalcemia by Severity



<i>Hypocalcemia Level</i>	<i>Percent</i>
None	30.3
Mild	27.2
Moderate	20.3
Severe	22.2