

**Supplementary Appendix S1—Types of surgical procedures.**

Intraabdominal	<p>Primary gastrointestinal*</p> <ul style="list-style-type: none"> <li>• Enterotomy</li> <li>• Intestinal resection and anastomosis</li> <li>• Partial pancreatectomy</li> </ul>	<p>Non-gastrointestinal</p> <ul style="list-style-type: none"> <li>• Adrenalectomy +/- caudal vena cavotomy</li> <li>• Cholecystectomy</li> <li>• Cystotomy, partial cystectomy</li> <li>• Intraabdominal lymph node extirpation</li> <li>• Liver lobectomy</li> <li>• Ovariohysterectomy</li> <li>• Retroperitoneal mass excision</li> <li>• Splenectomy</li> </ul>
Intrathoracic	<ul style="list-style-type: none"> <li>• Lung lobectomy</li> <li>• Subtotal pericardiectomy</li> <li>• Thoracic duct ligation</li> <li>• Vascular surgery</li> </ul>	
Head and Neck	<ul style="list-style-type: none"> <li>• Mandibulectomy</li> <li>• Maxillectomy</li> <li>• Orbitectomy</li> <li>• Parathyroidectomy</li> <li>• Partial hyoidectomy</li> <li>• Pinnectomy</li> <li>• Thyroidectomy</li> <li>• Total ear canal ablation with lateral bulla osteotomy</li> <li>• Dermal or subcutaneous tumor removals</li> </ul>	
Non-body Cavity (Other)	<ul style="list-style-type: none"> <li>• Anal saccullectomy, perianal mass excisions</li> <li>• Limb or digit amputation</li> <li>• Mastectomy</li> <li>• Vaginal or vulvar mass excision</li> <li>• Cutaneous or subcutaneous mass excision with appropriate surgical margins</li> </ul>	

\*Primary gastrointestinal surgical procedures included any procedure in which the lumen of the gastrointestinal tract was entered and/or pancreatic surgery.