

Table 2. Surgical characteristics of patients who underwent gastrointestinal cancer surgery in the four time periods evaluated^a.

Characteristics	Categories	Total	Period I	Period II	Period III	Period IV
		N = 365125	2011–2013 N = 35712	2014–2016 N = 89361	2017–2019 N = 119619	2020–2022 N = 120433
		n (%)	n (%)	n (%)	n (%)	n (%)
Surgical site	Esophagus	14784 (4.0)	1235 (3.5)	3116 (3.5)	4764 (4.0)	5669 (4.7)
	Stomach	103339 (28.3)	12018 (33.7)	28119 (31.5)	33050 (27.6)	30152 (25.0)
	Colon	118157 (32.4)	10641 (29.8)	28040 (31.4)	39330 (32.9)	40146 (33.3)
	Rectum	75892 (20.8)	7320 (20.5)	18096 (20.3)	24622 (20.6)	25854 (21.5)
	Liver	19277 (5.3)	1905 (5.3)	4737 (5.3)	6473 (5.4)	6162 (5.1)
	Gallbladder/bile duct,	8279 (2.3)	712 (2.0)	1867 (2.1)	2854 (2.4)	2846 (2.4)
	Pancreas	20568 (5.6)	1463 (4.1)	4093 (4.6)	6877 (5.7)	8135 (6.8)
	Multiple organs ^b	4829 (1.3)	418 (1.2)	1293 (1.4)	1649 (1.4)	1469 (1.2)
Surgical method	Laparoscopic	190111 (52.1)	11941 (33.4)	39354 (44.0)	63725 (53.3)	75091 (62.4)
	Non-laparoscopic	175014 (47.9)	23771 (66.6)	50007 (56.0)	55894 (46.7)	45342 (37.6)
Medical treatment on day of surgery	Crystalloid fluid, <i>mL</i>					
	≤ 5000	92372 (25.3)	7537 (21.1)	22690 (25.4)	30333 (25.4)	31812 (26.4)
	> 5000, ≤ 10000	215057 (58.9)	21938 (61.4)	52764 (59.0)	69795 (58.3)	70560 (58.6)
	> 10000	57696 (15.8)	6237 (17.5)	13907 (15.6)	19491 (16.3)	18061 (15.0)
	Colloid fluid, <i>mL</i>					
	0	179465 (49.2)	16827 (47.1)	40623 (45.5)	57147 (47.8)	64868 (53.9)
	> 0, ≤ 500	105583 (28.9)	10920 (30.6)	26746 (29.9)	34838 (29.1)	33079 (27.5)
	> 500	80077 (21.9)	7965 (22.3)	21992 (24.6)	27634 (23.1)	22486 (18.7)
	Albumin, <i>mL</i>					
	0	328915 (90.1)	31778 (89.0)	80039 (89.6)	108079 (90.4)	109019 (90.5)
	> 0, ≤ 500	27871 (7.6)	3093 (8.7)	7272 (8.1)	8765 (7.3)	8741 (7.3)

> 500	8339 (2.3)	841 (2.4)	2050 (2.3)	2775 (2.3)	2673 (2.2)
Transfusion ^c , <i>mL</i>					
0	320369 (87.7)	30751 (86.1)	77595 (86.8)	104931 (87.7)	107092 (88.9)
> 0, ≤ 500	17583 (4.8)	1634 (4.6)	4315 (4.8)	5922 (5.0)	5712 (4.7)
> 500	27173 (7.4)	3327 (9.3)	7451 (8.3)	8766 (7.3)	7629 (6.3)
Intensive care unit admission	152151 (41.7)	11334 (31.7)	32588 (36.5)	51472 (43.0)	56757 (47.1)

^a Time periods based on year of hospital admission.

^b Surgery involving multiple organs on a single day.

^c Red blood cells, platelets, and/or fresh frozen plasma.