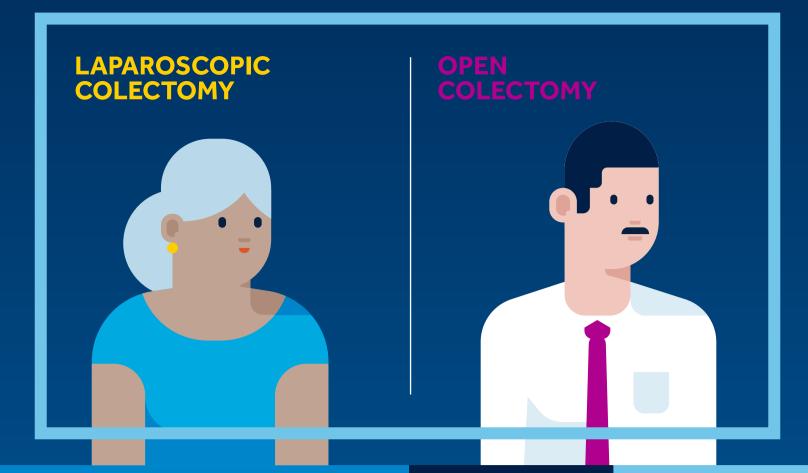
LET'S HELP YOUR PATIENTS

RECOVER FASTER.

LONGER.

Laparoscopic surgery offers significant clinical and economic benefits compared to open surgery



BACK TO NORMAL **ACTIVITIES ABOUT ONE MONTH** EARLIER^{1,2}

1–2 WEEKS

for laparoscopic patient

6 WEEKS for open patient

2.5 DAYS EARLIER RELEASE FROM HOSPITAL3-16

LAPAROSCOPIC

6.5 DAYS

in the hospital on average³⁻¹⁶

OPEN

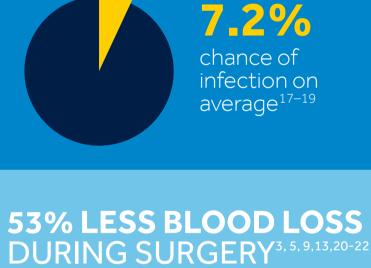
9 DAYS

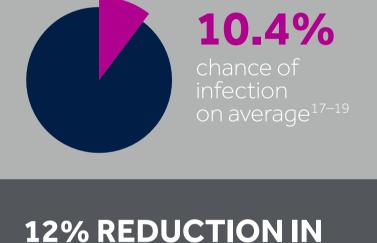
in the hospital on average³⁻¹⁶



OF SURGICAL SITE INFECTION¹⁷⁻¹⁹

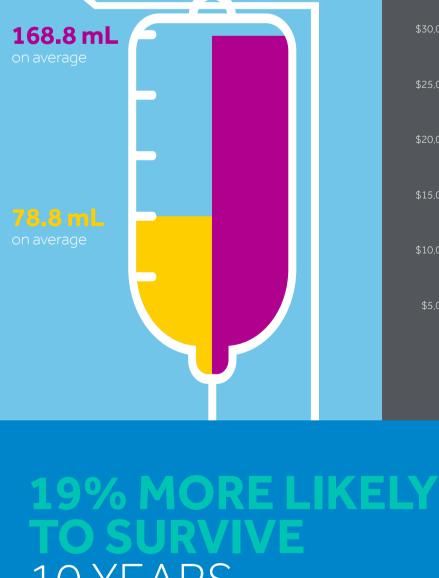
3.2% LOWER RATE





HOSPITAL COSTS

ON AVERAGE^{12,22}



\$31,012 \$27,236

10 YEARS AFTER SURGERY²³ For patients undergoing laparoscopic resections compared to those who had an open procedure²³

Which journey would you choose for your patients?

At Medtronic, we empower physicians with tools that take colorectal

Benefits of minimally invasive surgery are based on averages of multiple studies, ranging from clinical trials to large observational studies. The full list of evaluated studies is below. Laparoscopic colon resection surgery patient information from SAGES. SAGES. patients with American Society of Anesthesiology (ASA) classifications 3 and 4: the minimally invasive approach is associated with significantly quicker recovery and reduced

health further — and that help make the patient journey better.

https://www.sages.org/publications/patient-information/pa-

surgery. Manag Care. 2015;24(9):40-48. 3. Veldkamp R, Kuhry E, Hop WC, et al. Laparoscopic surgery versus open surgery for

5. Orcutt ST, Marshall CL, Robinson CN, et al. Minimally invasive surgery in colon cancer

Am J Surg. 2011;202(5):528-531

2008;12(3):583-591.

7. Odermatt M, Miskovic D, Siddiqi N, Khan J, Parvaiz A. Short- and long-term outcomes

after laparoscopic versus open emergency resection for colon cancer: a propensity score-matched study. *World J Surg.* 2013;37(10):2458-2467.

2014;28(4):1213-1222 11. Thompson BS, Coory MD, Gordon LG, Lumley JW. Cost savings for elective

laparoscopic resection compared with open resection for colorectal cancer in a region of high uptake. $Surg\ Endosc.\ 2014;28(5):1515-1521.$ 12. Marshall CL, Chen GJ, Robinson CN, et al. Establishment of a minimally invasive surgery program leads to decreased inpatient cost of care in veterans with colon cancer.

 $14. \, Day \, AR, \, Smith \, RV, \, Jourdan \, IC, \, Rockall \, TA. \, Survival \, following \, laparoscopic \, and \, open \, colorectal \, surgery. \, \textit{Surg Endosc.} \, 2013;27(7):2415-2421.$

 $15. \, Kapritsou \, M, \, Korkolis \, DP, \, Konstantinou \, EA. \, Open \, or \, laparoscopic \, surgery \, for \, colorectal \, cancer: \, a \, retrospective \, comparative \, study. \, \textit{Gastroenterol Nurs.} \, 2013;36(1):37-41.$ 16. Agarwal S, Gincherman M, Birnbaum E, Fleshman JW, Mutch M. Comparison of long-term follow up of laparoscopic versus open colectomy for transverse colon cancer. {\it Proc} (Bayl Univ

17. Bilimoria KY, Bentrem DJ, Merkow RP, et al. Laparoscopic-assisted vs. open colectomy for cancer: comparison of short-term outcomes from 121 hospitals. J Gastrointest Surg.

18. Kiran RP, Kirat HT, Ozturk E, Geisler DP, Remzi FH. Does the learning curve during laparoscopic colectomy adversely affect costs? *Surg Endosc.* 2010;24(11):2718-2722. incidence of postoperative complications than open colectomy: a propensity score-matched

cohort analysis. Colorectal Dis. 2014;16(5):382-389. laparoscopic versus open left colonic resection. Br J Surg. 2010;97(8):1180-1186.

hand-assisted laparoscopic surgery and conventional laparotomy for acute obstructive right-sided colon cancer. $JLaparoendosc\,Adv\,Surg\,Tech\,A$. 2015;25(7):548-554. $22.\ Vaid\ S,\ Tucker\ J,\ Bell\ T,\ Grim\ R,\ Ahuja\ V.\ Cost\ analysis\ of\ laparoscopic\ versus\ open\ colectomy\ in\ patients\ with\ colon\ cancer:\ results\ from\ a\ large\ nationwide\ population\ database.$

23. Askari A, Nachiappan S, Currie A, Bottle A, Athanasiou T, Faiz O. Selection for laparoscopic resection confers a survival benefit in colorectal cancer surgery in England. Surg Endosc 2016;30(9):3839-3847

Further, Together