Appendix 2 to Johnson G, Ziegler J, Helewa R, et al. Impact of the acute care surgery model on resident operative experience in emergency general surgery. *Can J Surg* 2023. Copyright © 2023 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.

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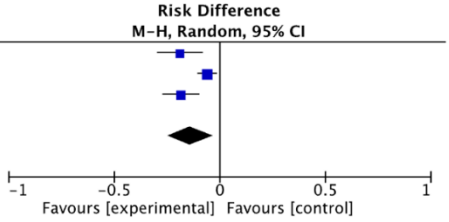
Appendix 2: Risk differences (RD) Forest plots for significant outcomes

A. Total SSI

Study or Subgroup	Oral antibiotics Events	Total	No oral antibiotics Events	Total	Weight	Risk Difference M-H, Random, 95% CI
Anjum 2017	8	95	26	95	29.2%	−0.19 [−0.30, −0.08]
Basany 2020	13	283	30	282	38.4%	−0.06 [−0.10, −0.02]
Taylor 1994	30	189	66	192	32.5%	−0.19 [−0.27, −0.10]
Total (95% CI)		**567**		**569**	**100.0%**	**−0.14 [−0.24, −0.03]**
Total events	51		122			

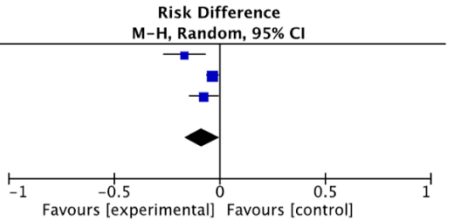
Heterogeneity: $Tau^2 = 0.01$; $Chi^2 = 11.64$, df = 2 (P = 0.003); $I^2 = 83\%$
Test for overall effect: Z = 2.56 (P = 0.01)



B. Superficial SSI

Study or Subgroup	Oral antibiotics Events	Total	No oral antibiotics Events	Total	Weight	Risk Difference M-H, Random, 95% CI
Anjum 2017	6	95	22	95	26.4%	−0.17 [−0.27, −0.07]
Basany 2020	3	283	13	282	40.7%	−0.04 [−0.06, −0.01]
Taylor 1994	18	189	33	192	32.9%	−0.08 [−0.14, −0.01]
Total (95% CI)		**567**		**569**	**100.0%**	**−0.08 [−0.17, −0.00]**
Total events	27		68			

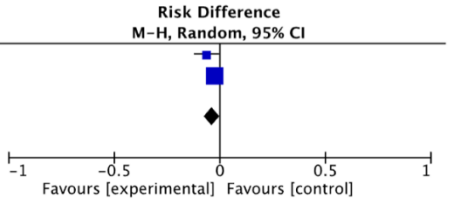
Heterogeneity: $Tau^2 = 0.00$; $Chi^2 = 10.51$, df = 2 (P = 0.005); $I^2 = 81\%$
Test for overall effect: Z = 2.02 (P = 0.04)



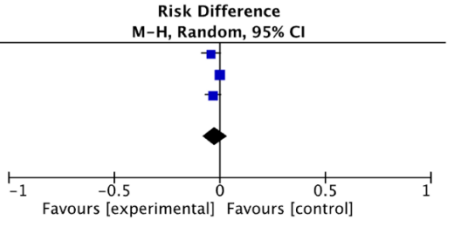
C. Deep SSI

Study or Subgroup	Oral antibiotics Events	Total	No oral antibiotics Events	Total	Weight	Risk Difference M-H, Random, 95% CI
Anjum 2017	1	95	7	95	28.6%	−0.06 [−0.12, −0.01]
Basany 2020	2	283	9	282	71.4%	−0.02 [−0.05, −0.00]
Total (95% CI)		**378**		**377**	**100.0%**	**−0.04 [−0.07, −0.00]**
Total events	3		16			

Heterogeneity: $Tau^2 = 0.00$; $Chi^2 = 1.68$, df = 1 (P = 0.19); $I^2 = 41\%$
Test for overall effect: Z = 1.97 (P = 0.05)



D. Anastomotic leaks

Study or Subgroup	Oral antibiotics Events	Total	No oral antibiotics Events	Total	Weight	Risk Difference M-H, Random, 95% CI
Anjum 2017	0	95	4	95	30.5%	−0.04 [−0.09, 0.00]
Basany 2020	0	260	0	253	37.0%	0.00 [−0.01, 0.01]
Taylor 1994	2	167	7	156	32.5%	−0.03 [−0.07, 0.00]
Total (95% CI)		**522**		**504**	**100.0%**	**−0.02 [−0.08, 0.03]**
Total events	2		11			

Heterogeneity: $Tau^2 = 0.00$; $Chi^2 = 23.61$, df = 2 (P < 0.00001); $I^2 = 92\%$
Test for overall effect: Z = 0.79 (P = 0.43)