

PGY4 Ratings

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Case differences PGY4 vs PGY5

	PGY5	PGY4
n_case	2368	1150
n_surgeon	520	301
n_hosp	507	316
n_patient	2320	1130
POA_severe_complication_rate	14%	14%
POA_any_complication_rate	26%	26%
death_rate	10%	9%
readmit_rate	33%	34%
reop_rate	4%	4%

Rating differences PGY4 vs PGY5

Rating	PGY4, N = 301 ¹	PGY5, N = 520 ¹
Overall	7.62 (6.88, 8.06)	8.69 (8.06, 9.00)
Overall >=8	98 (33%)	420 (81%)
Professional	7.67 (7.00, 8.33)	8.67 (8.00, 9.00)
Professional >=8	142 (47%)	421 (81%)
Operative	7.67 (7.00, 8.00)	8.67 (8.00, 9.00)
Operative >=8	119 (40%)	426 (82%)
Leadership	7.75 (7.00, 8.25)	8.75 (8.25, 9.00)
Leadership >=8	148 (49%)	449 (86%)

¹Statistics presented: Median (IQR); n (%)

Model results for binary ratings

Compare PGY4 vs. PGY5 milestone ratings vs. outcomes. Outcome: Binary 1: ≥ 8 vs. 0: < 8

outcome	year	rating	OR	95% CI	p_value
severe_cmp	PGY4	overall_mean	1.23	[0.81, 1.86]	0.33
	PGY4	professional	1.42	[0.96, 2.1]	0.08
	PGY4	operative	0.87	[0.59, 1.28]	0.48
	PGY4	leadership	1.15	[0.79, 1.68]	0.48
any_cmp	PGY4	overall_mean	1.15	[0.84, 1.59]	0.38
	PGY4	professional	1.11	[0.82, 1.5]	0.50
	PGY4	operative	0.91	[0.67, 1.23]	0.54
	PGY4	leadership	1.07	[0.79, 1.45]	0.66
readmit	PGY4	overall_mean	1.07	[0.8, 1.44]	0.64
	PGY4	professional	1.08	[0.82, 1.42]	0.59
	PGY4	operative	1.11	[0.84, 1.46]	0.47
	PGY4	leadership	1.04	[0.78, 1.37]	0.80
death	PGY4	overall_mean	1.67	[0.98, 2.85]	0.06
	PGY4	professional	1.65	[0.96, 2.83]	0.07
	PGY4	operative	1.71	[1.03, 2.84]	0.04
	PGY4	leadership	1.43	[0.86, 2.39]	0.17
severe_cmp	PGY5	overall_mean	0.96	[0.67, 1.38]	0.82
	PGY5	professional	0.80	[0.56, 1.14]	0.22
	PGY5	operative	0.90	[0.63, 1.3]	0.59
	PGY5	leadership	0.84	[0.56, 1.26]	0.39
any_cmp	PGY5	overall_mean	0.81	[0.61, 1.08]	0.15
	PGY5	professional	0.72	[0.54, 0.96]	0.02
	PGY5	operative	0.81	[0.61, 1.08]	0.15
	PGY5	leadership	0.76	[0.55, 1.05]	0.10
readmit	PGY5	overall_mean	1.00	[0.78, 1.29]	0.99
	PGY5	professional	0.97	[0.75, 1.24]	0.79
	PGY5	operative	0.97	[0.75, 1.24]	0.79
	PGY5	leadership	1.01	[0.76, 1.34]	0.95
death	PGY5	overall_mean	1.18	[0.74, 1.86]	0.49
	PGY5	professional	1.10	[0.69, 1.74]	0.70
	PGY5	operative	0.96	[0.62, 1.5]	0.87
	PGY5	leadership	1.39	[0.8, 2.39]	0.24