



Memorial Sloan Kettering
Cancer Center

Improved Compliance With Anesthesia Quality Measures After Implementation of Automated Monthly Feedback

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Disclosures

- None



MPOG and ASPIRE at a Cancer Center

Background on Memorial Sloan Kettering Cancer Center:

- 1884: founded as the “New York Cancer Hospital”
- 1971: named one of the first three Comprehensive Cancer Centers
- 2017: first cancer center contributing to MPOG
- September 2017: began ASPIRE monthly emails

- Performs 50,000 anesthetics per year at 5 sites in NY/NJ
- ~60 attending anesthesiologists, ~120 CRNAs
- All surgical specialties except OB, trauma, cardiac, transplant



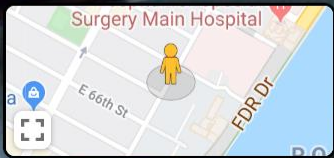
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New York



Street View - Aug 2018

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Introduction to ASPIRE

- Staff Meeting to discuss concept, timeline
- Concerns regarding use of individual results
- Elected to not observe certain measures we did not agree with
 - PUL 02: Low tidal volume, ≤ 8 mL/kg IBW
 - FLUID 01: Minimizing colloid use
- ASPIRE champions discussed 1:1 in OR with attendings and CRNAs



Results for Process Measures

Measure by Type	Description	Patient Cases, No. (%)		P
		Compliance Before Implementation	Compliance After Implementation	
Process measure				
BP-01	Low MAP prevention	8,289 (99.2)	23,807 (99.4)	.037
BP-02	Avoiding monitoring gaps	7,540 (82.5)	23,759 (92.3)	< .001
MED-01	Avoiding medication overdose	6,474 (99.9)	19,760 (99.9)	.24
NMB-01	Train of four taken	2,178 (76.8)	8,453 (89.0)	< .001
NMB-02	Reversal administered	2,667 (95.0)	9,090 (96.4)	.001
PONV-01	Postoperative nausea and vomiting	2,328 (90.5)	6,784 (90.8)	.74
PUL-01	Low tidal volume, < 10 mL/kg IBW	2,159 (81.2)	7,853 (91.4)	< .001
PUL-02	Low tidal volume, ≤ 8 mL/kg IBW	706 (26.6)	3,609 (42.0)	< .001
TEMP-01	Active warming	3,377 (97.1)	10,735 (98.0)	.002
TEMP-02	Core temperature measurement	3,028 (69.6)	11,016 (85.7)	< .001
TOC-02	Post-anesthetic transfer of care (MIPS 424)	9,565 (99.5)	27,446 (99.5)	.96

Some Lessons

- Reinforcement of quality measure knowledge is difficult
 - Must be part of new hire training
 - Periodic reminders needed
- Decision support helps
- Core temperature during GA with LMA remains difficult
- PONV problem: steroids can hurt immunotherapy patients

