Does Music in the OR Impact Self-Perceived Performance? A Large Multi-Specialty Study

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2016 DISCLOSURE SLIDE

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Nothing To Disclose
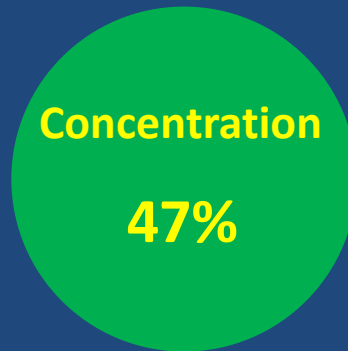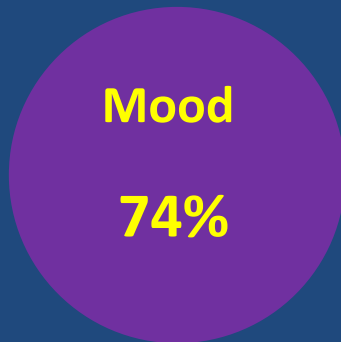
Music in the OR

- **Introduction**
  - Diverse effects on OR team
  - Aim: To identify self-reported impact of music in the OR on performance

- **Methods**
  - Data collected anonymously Summer, 2015
  - Multivariate logistic regression analysis for factors predictive of self-reported impact of music

Results

- **Overall response rate 53%**
- **Majority 30-50 years old**
- **Overall preference for music in OR**
- **Overall % music in OR improves performance**

Mood

74%

Concentration

47%

Efficiency

55%

- **Overall % music in OR restricts communication**

40%
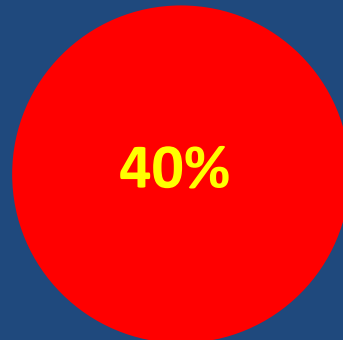
Adjusted Odds Ratios for Self-reported Impact of Music in the OR (N=198)

	Improves Mood	Improves Concentration	Improves Efficiency	Does Not Restrict Communication
Effect	Odds Ratio			
<30 vs 30-50	4.34 (1.14, 16.6)*	1.91 (0.81, 4.48)	3.55 (1.42, 8.89)**	1.64 (0.63, 4.26)
>50 vs 30-50	0.30 (0.13, 0.70)**	0.33 (0.15, 0.76)**	0.41 (0.18, 0.89)*	0.49 (0.22, 1.09)
Male vs Female	1.80 (0.79, 4.14)	2.29 (1.11, 4.74)*	2.81 (1.35, 5.88)**	2.75 (1.28, 5.91)**
Anesthesia vs Surgeon	0.24 (0.07, 0.82)*	0.26 (0.07, 0.93)*	0.64 (0.20, 2.00)	0.27 (0.08, 0.88)*
RN/ST vs Surgeon	0.67 (0.25, 1.80)	0.57 (0.23, 1.44)	0.90 (0.36, 2.25)	0.55 (0.22, 1.38)
Resident vs Surgeon	1.00 (0.30, 3.31)	0.91 (0.36, 2.32)	1.04 (0.40, 2.66)	1.75 (0.60, 5.08)

Conclusions

- **Music in OR**

  - **Improves mood for most participants**

  - **Mixed impact on self-reported concentration, efficiency, and communication**

- **Implications**

  - **Further corroboration in other OR settings**

  - **Future investigation OR dynamic and safety measures**