

Gude et al. 2015: How does audit and feedback influence intentions of health professionals to improve practice? A laboratory experiment and field study in cardiac rehabilitation.

Appendix A: Results of the additional sequential logistic regression analyses to evaluate the impact of data incompleteness (a missing score and benchmark category) on intentions to improve practice. Consequently, the reported score was left out as covariate.

| Variable of interest | Laboratory experiment (n=767) | | | Field study (n=614) | | |
|-------------------------------------|-------------------------------|-----------------------|---------|---------------------------|----------------------|---------|
| | Adjusted for confounders* | OR (95% CI) | p-value | Adjusted for confounders* | OR (95% CI) | p-value |
| <i>Fixed effects</i> | | | | | | |
| <u>Indicator level</u> | | | | | | |
| 1. Outcome vs. process indicator | 2 | 0.63 (0.23, 1.77) | 0.383 | 2-4 | 0.34 (0.14 to 0.86) | 0.023 |
| 2. Benchmark category | 1 | | | 1, 3-5, † | | |
| Intermediate vs. high | | 24.08 (9.47 to 61.26) | <0.001 | | 3.17 (1.75 to 5.73) | <0.001 |
| Low vs. high | | 13.48 (3.91 to 46.43) | <0.001 | | 4.23 (2.01 to 8.91) | <0.001 |
| Missing data vs. high | | ∞ (always selected) | | | 4.13 (2.08 to 8.16) | <0.001 |
| 3. Selected in previous action plan | | - | | 1, 2, 4, 5, † | 9.38 (5.35 to 16.44) | <0.001 |
| <u>Feedback report level</u> | | | | | | |
| 4. A&F iteration number | | - | | 1- 3, 5, † | 0.51 (0.38 to 0.68) | <0.001 |
| 5. Team size | | - | | 2-4, † | 1.03 (0.90 to 1.18) | 0.688 |

Each analysis was adjusted for potential confounders. Abbreviations: A&F = audit and feedback; OR = odds ratio; CI = confidence interval.

† Also adjusted for centre type.

* Numbers correspond with the variables listed in the first column. † Also adjusted for centre type. ‡ Also adjusted for all CR professional level variables: gender, years of clinical experience, percentage of time spent on direct patient care, discipline, coordinating function, number of outreach visits attended in CARDSS-II (laboratory experiment part only) and the CR centre level variable: centre type (both parts)

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Appendix B: Distribution of assigned benchmark categories (green = high performance; yellow = intermediate performance; red = low performance; grey = insufficient data) per quality indicator.

