Effects of 2- vs 4-Week Attending Physician Inpatient Rotations on Unplanned Patient Revisits, Evaluations by Trainees, and Attending Physician Burnout

A Randomized Trial

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"A gripping memoir written by an expert storyteller. . . . Moving and cloquently written, simply a terrific read." -The Boston Globe ONE DOCTOR CLOSE CALLS, COLD CASES, and the MYSTERIES OF MEDICINE BRENDAN REILLY, M.D.



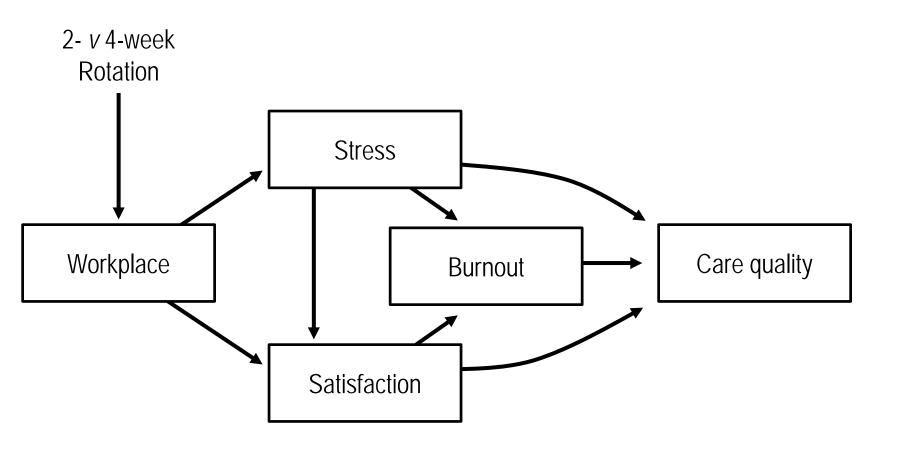
Observational Data Supporting 2-Week Rotations

attending physicians think 2-week rotations improve their private lives (Akl et al 2004)



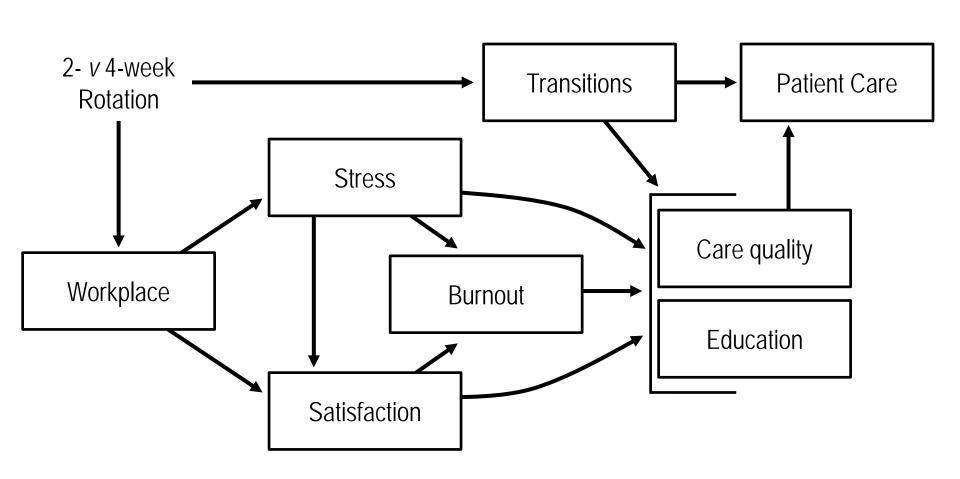


Conceptual Model



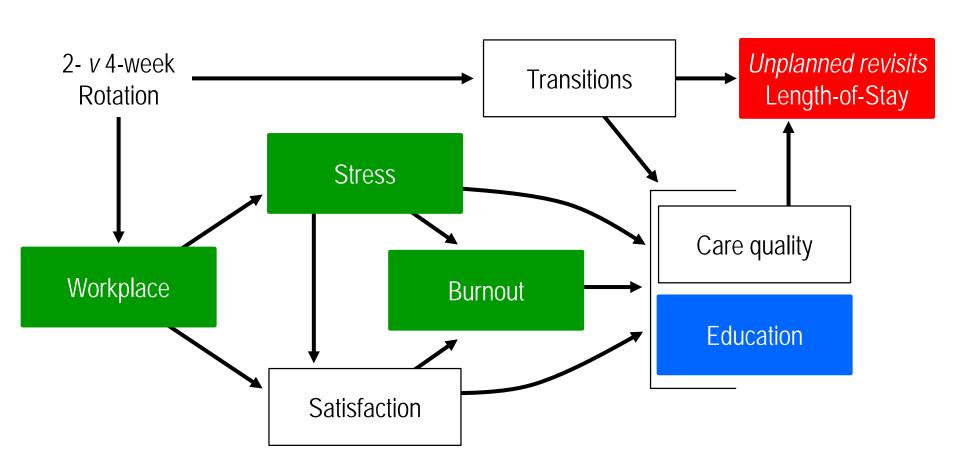


Expanded Conceptual Model





Outcomes studied







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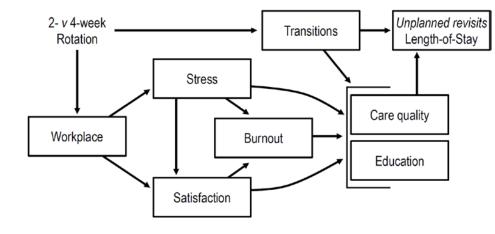
80 staffed the general medicine wards

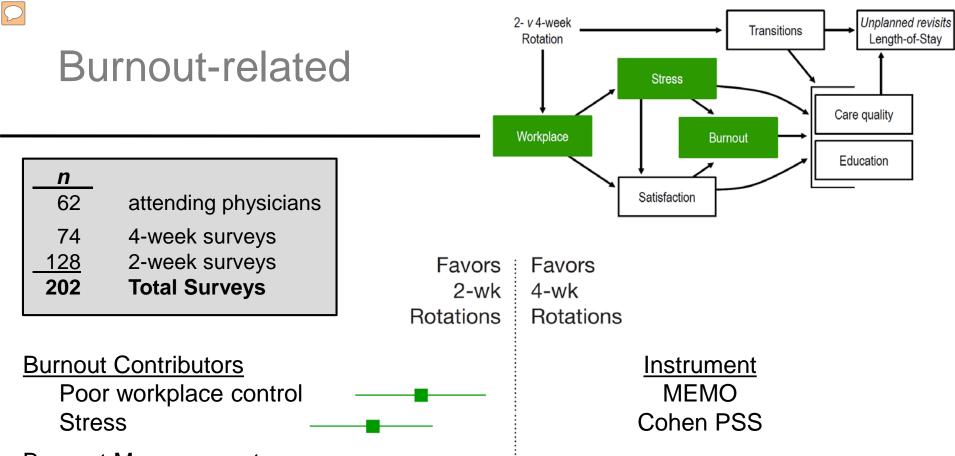
18 scheduled < 6 total weeks

62 assigned to random sequence of 2- and 4-wk rotations

Attending Physicians (n)	Rotations (n)	Sequence (rotation durations in weeks)	Total Ward Weeks in Year
10	2	2–4	6
9		4–2	6
14	3	4–2–2	8
12		2-2-4	8
1		2-4-4	10
4	4	4-2-2-2	10
1		2-2-4-2	10
1		2-2-4-4	12
1		4-2-2-4	12
1	5	4-2-2-2	12
3	6	2-2-4-2-2-4	16
1		2-2-4-4-2-2	16
1		4-2-2-2-4	16
1		4-2-2-4-2-2	16
1	7	4-2-2-2-4-4	20
1	8	2-2-4-4-2-2-2	20





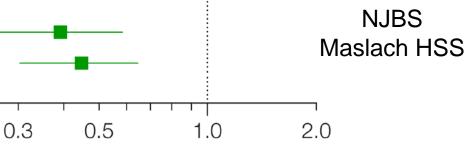




Single-item

Emotional exhaustion

0.2

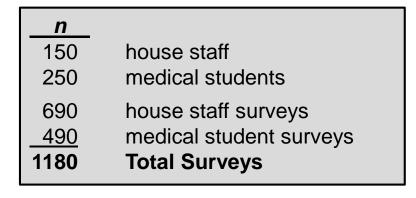


NJBS

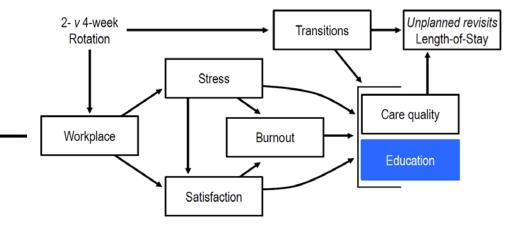
Adjusted Relative Odds of Higher Attending Physician Burnout Severity Category

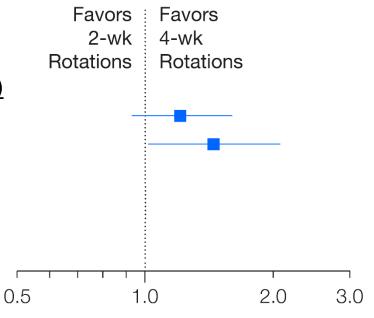


Education



Summary (5 domains)
House staff
Medical Students

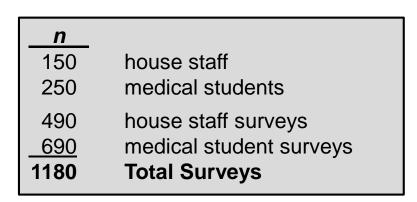


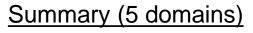


Adjusted Relative Odds of Lower Trainee Evaluation Score Category



Education



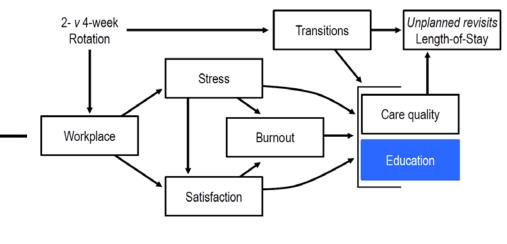


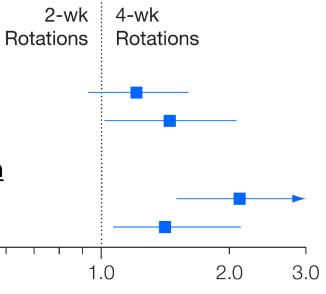
House staff Medical Students

Ability to Evaluate Domain

0.5

Housestaff
Medical Students



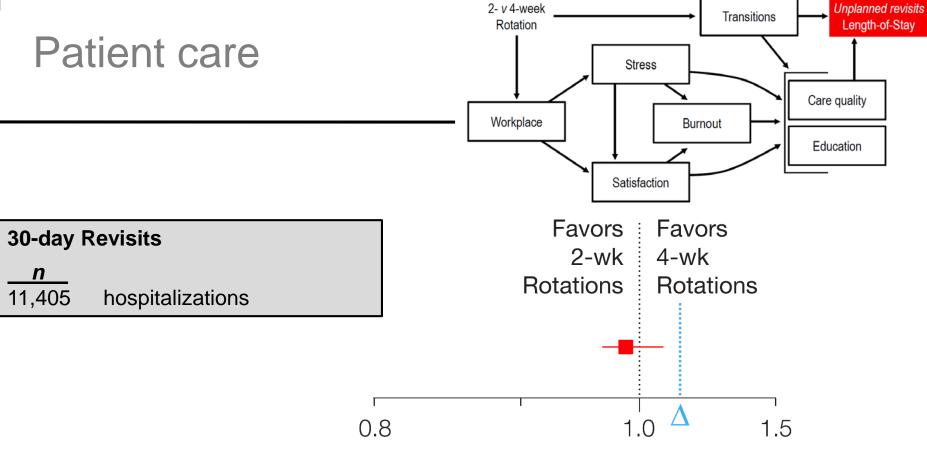


Favors

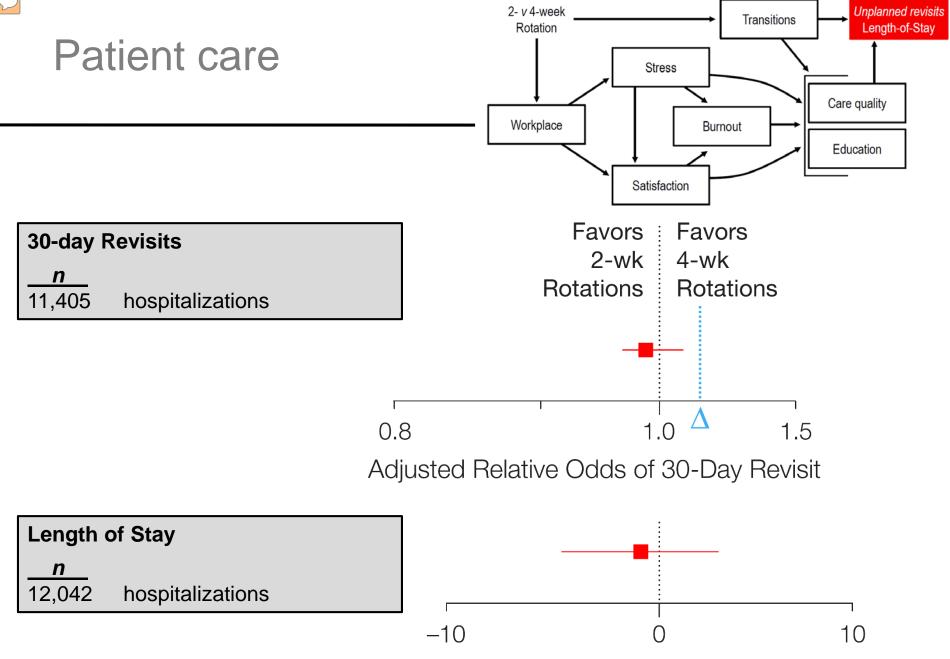
Favors :

Adjusted Relative Odds of Lower Trainee Evaluation Score Category





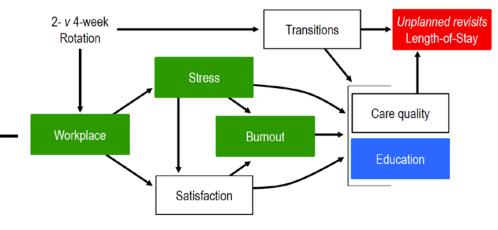
Adjusted Relative Odds of 30-Day Revisit



Adjusted Relative Difference in Length of Stay, %



Limitations



Burnout-related Unblinded

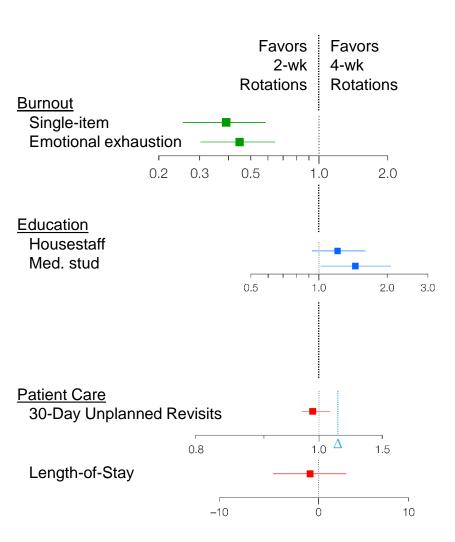
Education

Trainees' perceptions, actual performance of attendings not measured

Patient-care

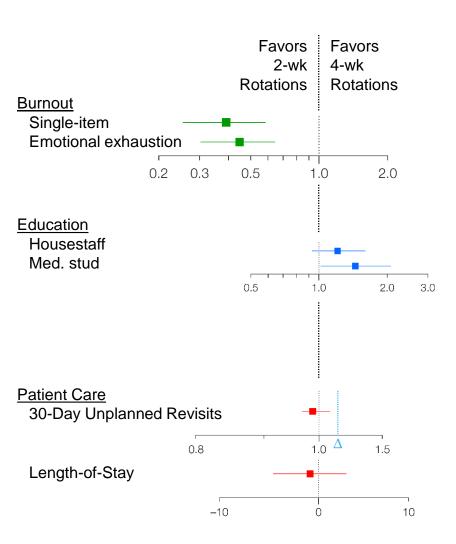
Only 10% of patients are effected Impact diluted by the trainees

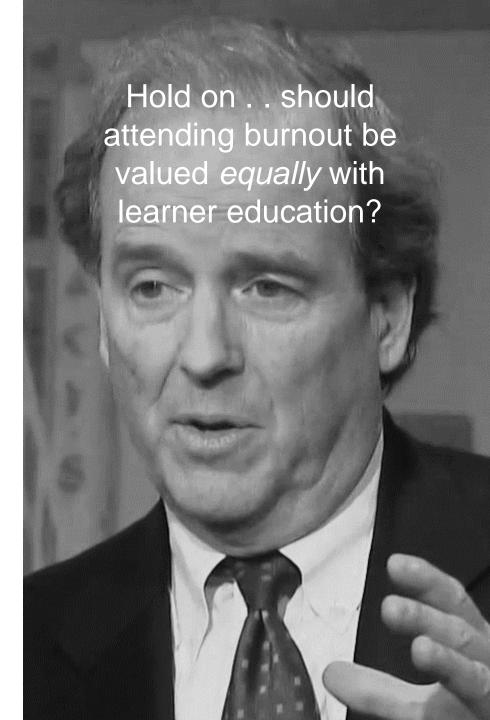






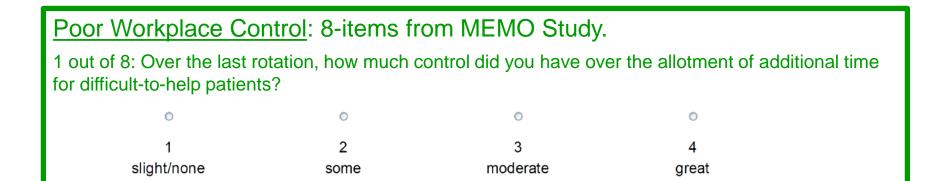








Details about our instruments: Burnout contributors







Details about our instruments: Burnout measurements

Burnout: Single item from National Job Burnout Survey

Using your own definition of burnout, please choose one.

- I enjoy my work. I have no symptoms of burnout.
- Occasionally I am under stress, and I don't always have as much energy as I once did, but I don't feel burned out.
- I am definitely burning out and have one or more symptoms of burnout, such as physical and emotional exhaustion.
- The symptoms of burnout that I'm experiencing won't go away. I think about frustrations at work a lot.
- I feel completely burned out and often wonder if I can go on. I am at the point where I may need some changes or may need to seek some sort of help.

