

Effects of A Multi-Pronged Wellness Intervention on Neurology Resident Burnout

Background

- Physician burnout stems from chronic workplace stress and is characterized by emotional exhaustion, depersonalization, and a sense of low personal accomplishment
- It can affect the delivery of health care and can result in poor medical decision making, diminished productivity, increased staff turnover, and can increase the risk of self harm
- Among medical specialties, neurology is consistently among the highest in burnout rates, and <u>burnout</u> symptoms are more prevalent among neurology residents as compared to other specialties or practicing neurologists

Objectives

- Understand factors contributing to burnout in UCLA Neurology residents
- Identify strategies for building resilience from both a systems as well as individual perspective
- Implement effective and sustainable interventions for improving overall resident wellness

Study Methods

- A survey-based assessment was completed by neurology residents in June 2023 and June 2024, at the end of each academic year to elicit baseline levels of burnout and contributory factors, preferences for interventions
- The Physician Well Being Index (PWBI)¹ was the primary outcome used in both surveys and has been previously validated to identify residents with low mental quality of life, high fatigue, or recent suicidal ideation at a threshold <u>score of >=5 (range, 0-7)</u>
- Due to a small sample size, Fisher's exact test was used to assess the primary outcome
- The Utrecht Work Engagement Scale² was used in the 2024 survey to assess levels of energy and mental resilience while working (assessed through three dimensions: vigor, dedication and absorption)

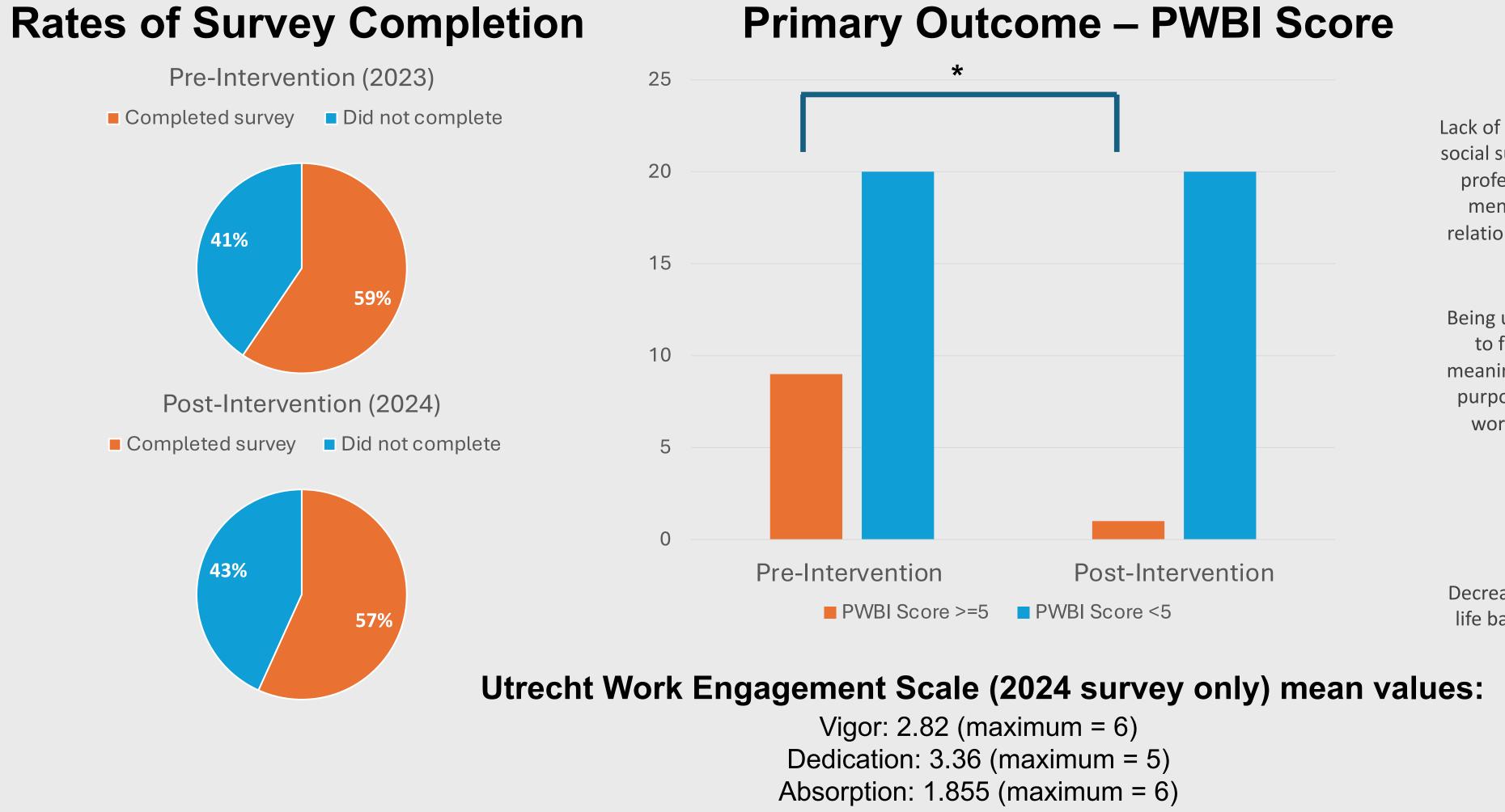
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Wellness Interventions

Multi-pronged approach from June 2023 to July 2024: \rightarrow Longitudinal didactics:

- Awareness Research Center
- Brainstorming with residents for self-led wellness projects
- Dedicated time for implementation of wellness projects
- \rightarrow Bimonthly resident social events
- \rightarrow Weekly emails for spaced repetition
- sessions at PGY2 resident bootcamp and the annual retreat

Results



Conclusions

- continued positive benefits for burnout reduction

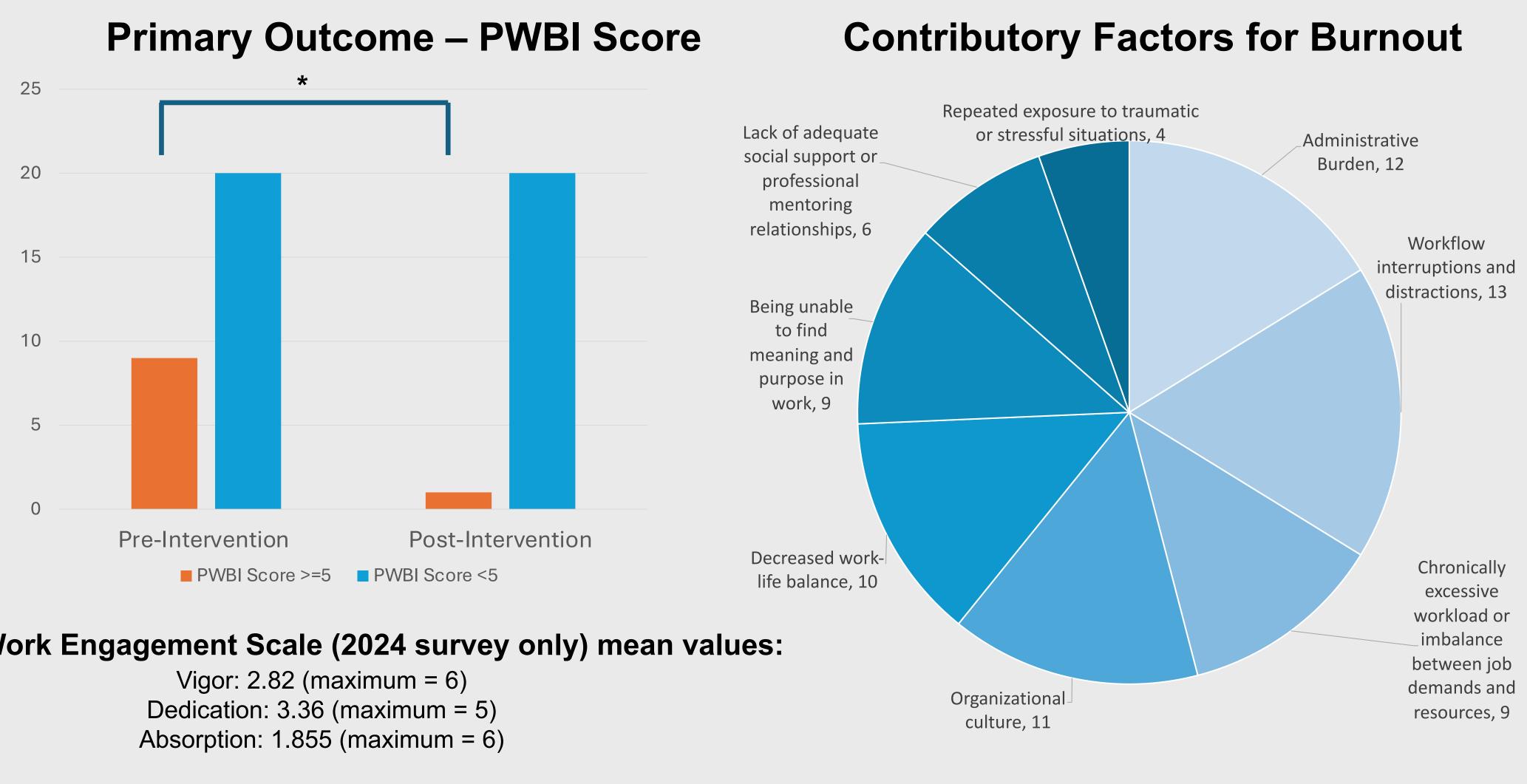
References

Dyrbye LN, Satele D, Sloan J, Shanafelt TD. Ability of the physician well-being index to identify residents in distress. J Grad Med Educ. 2014 Mar;6(1):78-84. doi: 10.4300/JGME-D-13-00117.1. PMID: 24701315; PMCID: PMC3963800. Schaufeli M, Bakker A. Utrecht Work Engagement Scale. Preliminary Manual. Netherlands: Utrecht University; 2003.

 UCLA mental health resources available to residents through the BWC • Instruction on using mindfulness to improve personal resilience by the UCLA Mindfulness

• Invited talk by Dr. Reza Manesh (author of "Finding Joy in Medicine")

 \rightarrow Wellness "toolkits" at the beginning of PGY2 year, and prior to the RITE \rightarrow Additional measures: camaraderie-boosting measures for inpatient teams, dedicated wellness



The wellness interventions were favorably received by residents The impact as assessed by the PWBI was statistically significant towards an improvement in burnout Consistent and diverse, as well as personalized wellness interventions should be further studied and may lead to Next steps and implementing new this year: Coffee with a Colleague Neurology Peer Support Program!



