

BACKGROUND

- Resident burnout is associated with:
 - * poor health
 - * depression
 - * suboptimal patient outcomes
- Since 2013 programs have used Milestones to assess resident competency

OBJECTIVES

- To compare the mean Milestone scores among pediatric and med/peds residents who met criteria for burnout with those who did not by level of training

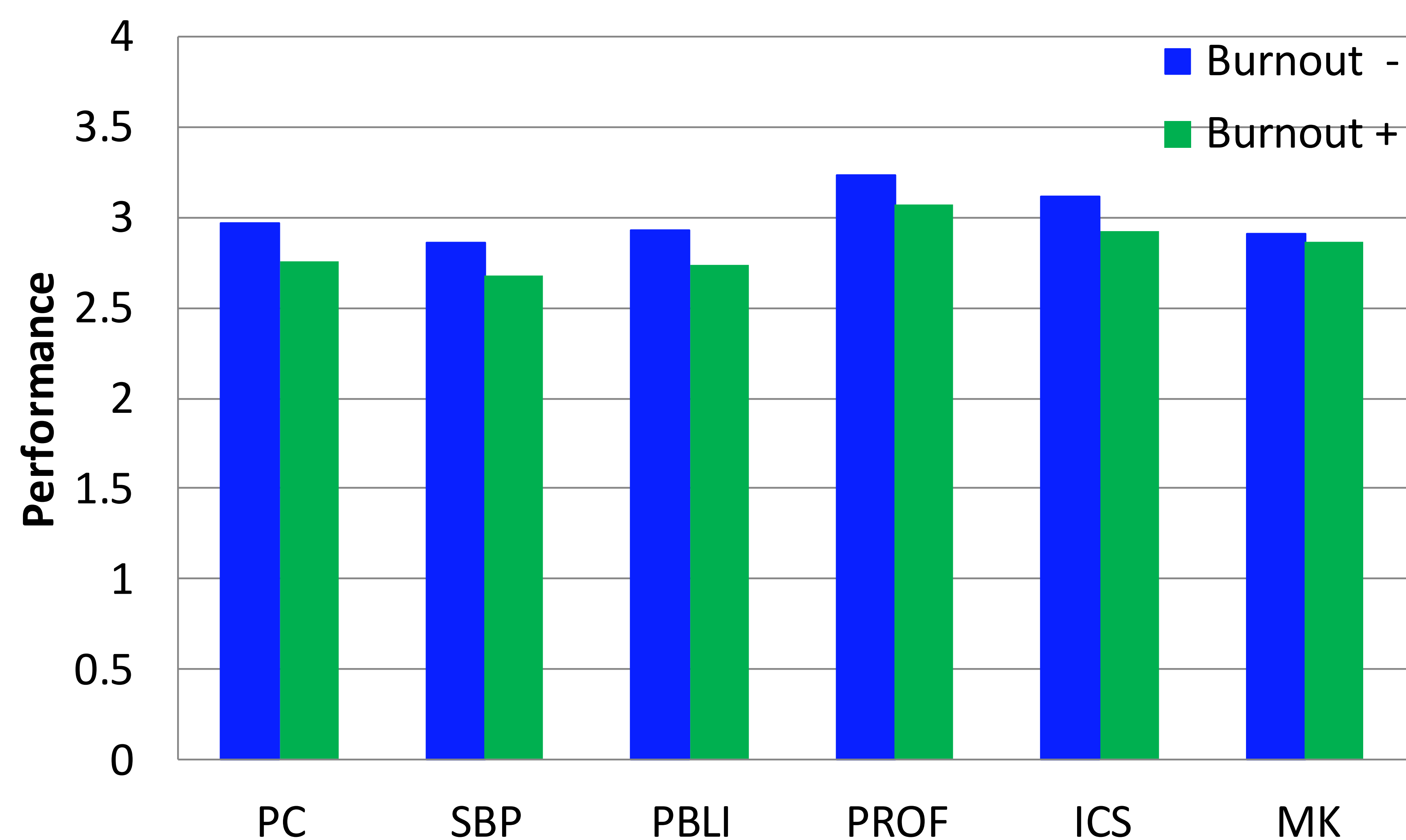
DESIGN/METHODS

- Conducted among the Pediatric Burnout –Resilience Consortium (PRB-RSC): 34 pediatric and medicine-pediatric training programs
- Collaboration with Association of Pediatric Program Directors Longitudinal Education Assessment Research Network (APPD LEARN)----Study administration and analysis
- PRB-RSC conducted a confidential online survey of members' residents in April-June 2016 which included the Maslach Burnout Inventory (MBI)
- Member programs submitted their assessment of residents' milestones from June 2016
- We examined the relationship between burnout and performance as assessed by milestones by domain of competence and stratified by post-graduate year

RESULTS

- 1494 residents at 31 programs completed the MBI and had milestones submitted (66% overall response rate)
- Relationship between burnout status and milestone performance was not statistically significant for PGY2 and PGY3 residents
- Shown results are for the 507 residents in the PGY1 cohort

Milestone Performance vs Burnout Status in PGY1s



Performance Differential	PC	SBP	PBLI	PROF	ICS	MK
	-0.21*	-0.18*	-0.19*	-0.17*	-0.19*	-0.04

*p < 0.01

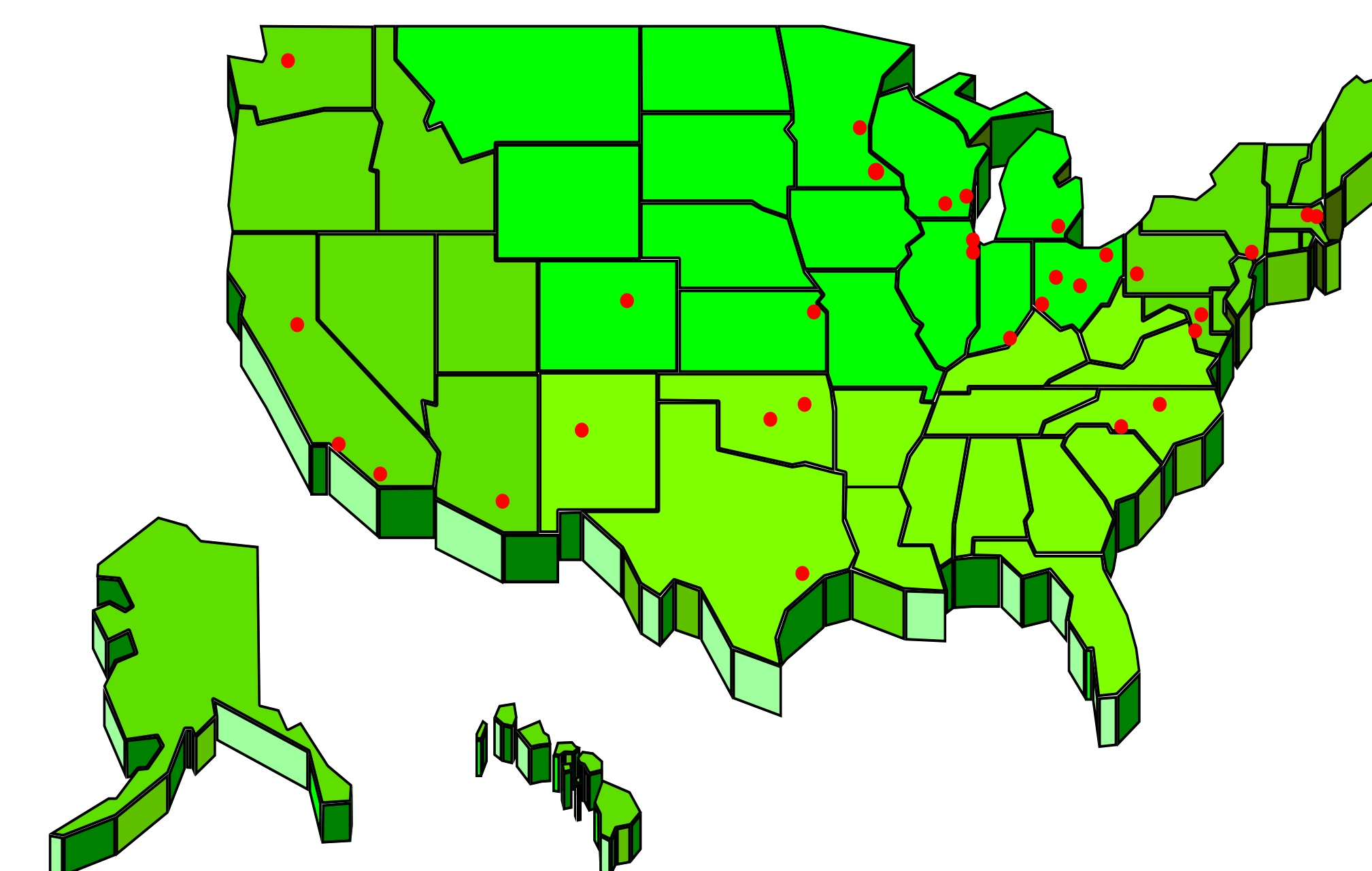
Domains of competence:

- PC- Patient Care
- SBP- Systems Based Practice
- PBLI- Practice Based Learning and Improvement
- PROF- Professionalism
- ICS- Interpersonal and Communication Skills
- MK- Medical Knowledge

CONCLUSIONS

- Burnout status is associated with decreased milestone status for PGY1s in every domain of competence except medical knowledge
- Future research is needed to address whether strategies to mitigated burnout results in improved PGY1 performance

Map of Participating Institutions



PRB-RSC INSTITUTIONS

Albert Einstein College of Medicine	Children's
Baylor College of Medicine/Texas Children's	U of California San Diego/ Rady Children's
Boston Children's Hospital	U of Cincinnati/Cincinnati Children's
Carolinas Medical Center	U of Colorado/Denver Children's
Case Western/Rainbow Babies and Children's	U of Illinois Chicago
Duke U	U of Kansas
Inova Fairfax Medical Campus	U of Louisville
Johns Hopkins U	U of Michigan
Mayo Clinic College of Medicine	U of Minnesota
Medical College of Wisconsin	U of New Mexico
Northwestern U/Lurie Children's	U of Oklahoma- Oklahoma City
Ohio State U/Nationwide Children's	U of Oklahoma- Tulsa
Tufts Medical Center	U of Pittsburgh
U of Arizona	U of Washington/Seattle Children's
U of California Davis	U of Wisconsin
U of California Los Angeles/Mattel	Wright State U