

## 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

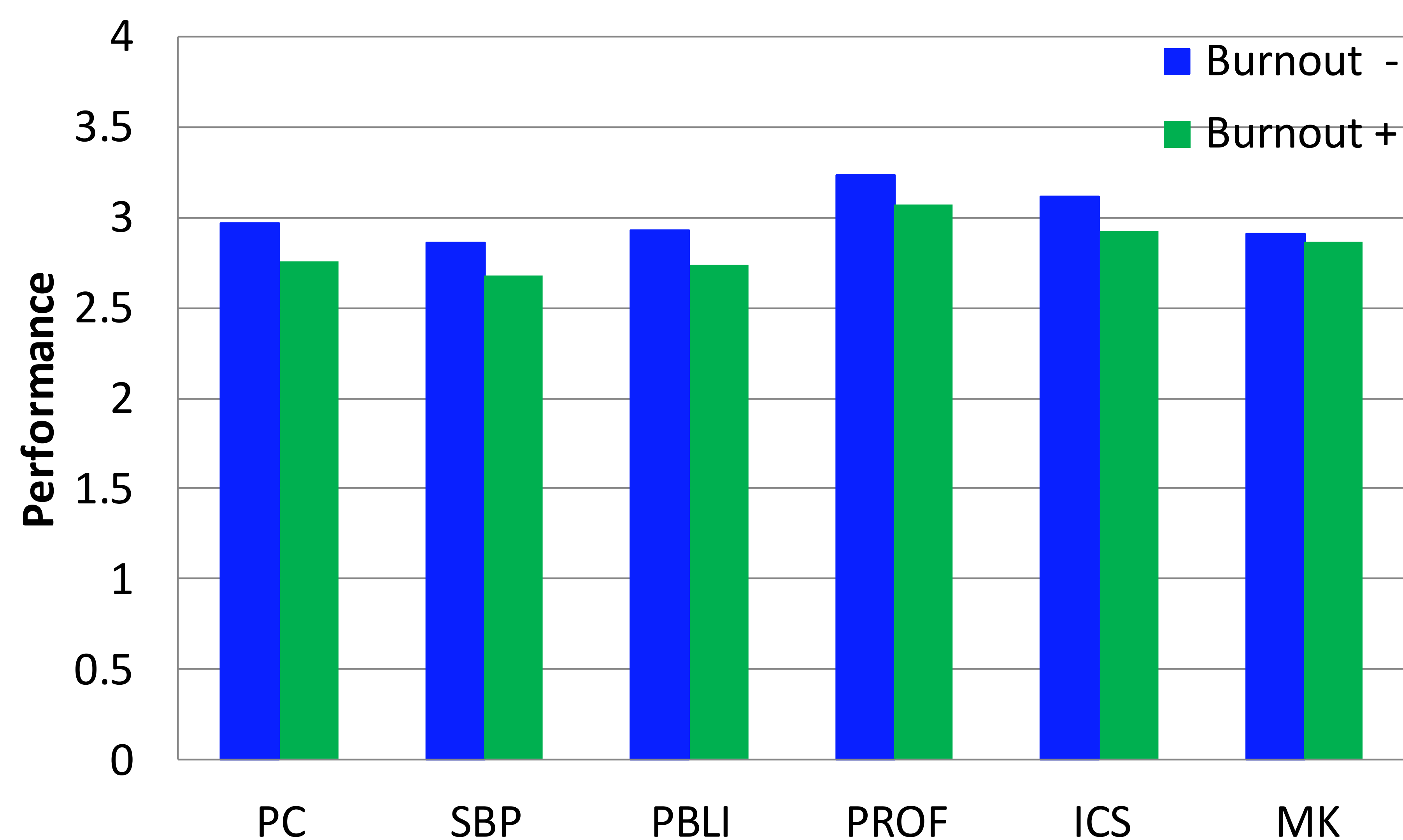
## DESIGN/METHODS

- 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

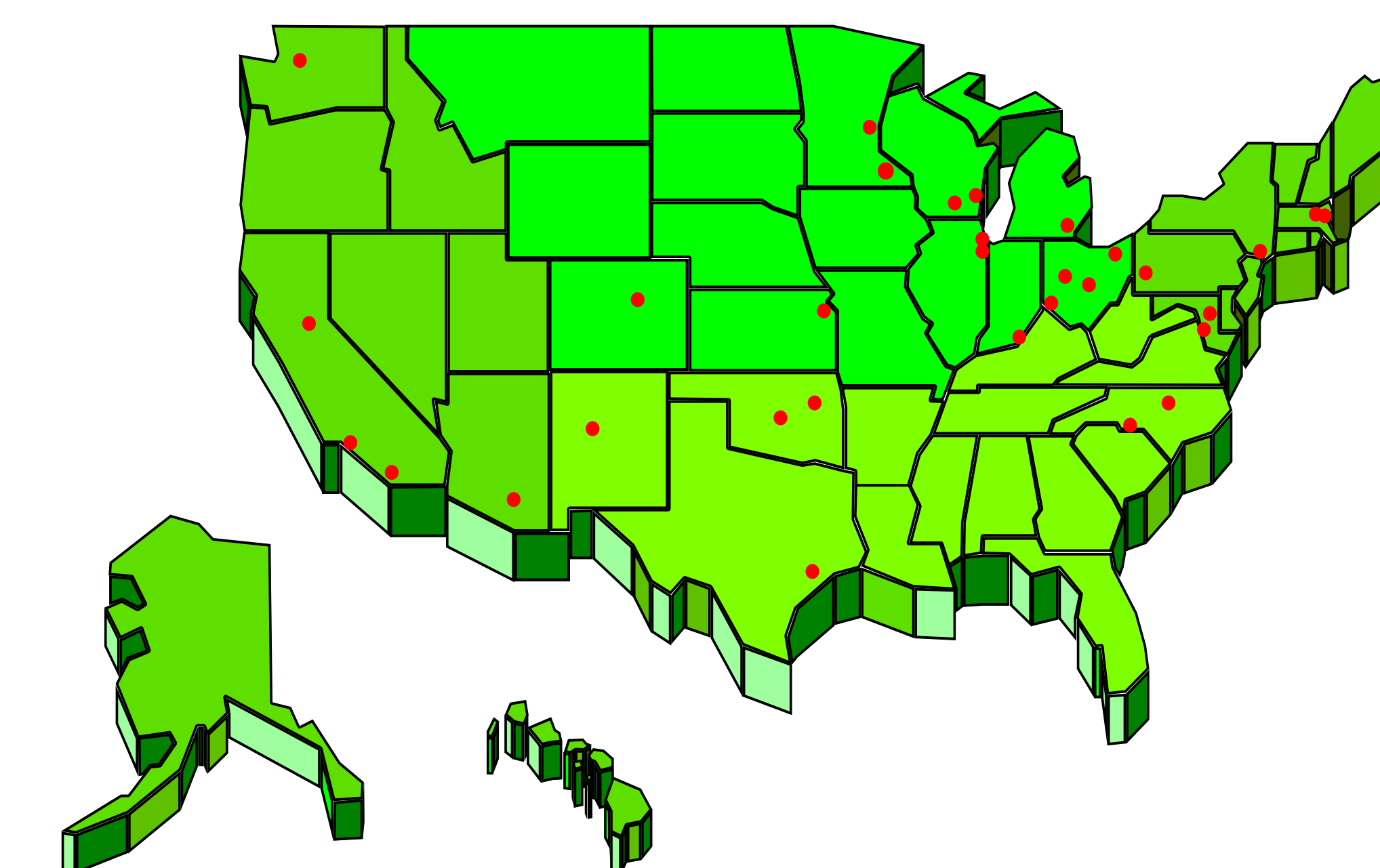
Domains of competence:

- 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                             |