Social Needs Screening in Critically-Ill Pediatric Patients with Asthma

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THE PROBLEM
The contexts in which people live and work determine up to 50% of health outcomes1
Communities with unmet social needs experience:2-4
1. Increased mortality
2. More chronic disease
3. Higher ICU admission rates related to asthma

THE QUESTION
Do social needs result in:
1. More complicated ICU courses for asthmatics?
2. Lower follow-up rates?
3. More readmissions?

METHODS
Study design:
- Type: Prospective cohort
- Inclusion: Children (2-18y) in the ICU with asthma (Feb, 2022 – Jan, 2023)
- Exclusion: Transferred, deceased, home BIPAP

Screener:

RESULTS

Social Needs
- Food Insecurity: 29%
- Housing Needs: 28%
- Job Assistance: 16%

DISCUSSION
Average duration of screening time directly correlated with the number of unmet social needs.
While the average (1) duration of BiPAP use, (2) ICU days, and (3) hospital days increased with unmet social needs, the difference was not statistically significant.
(1) Follow-up rates and (2) ED visits were significantly higher in patients with unmet social needs, though (3) readmissions were not significantly different.