

Preventing Falls during Staffing Variability - Strategies for Acute and Skilled Care

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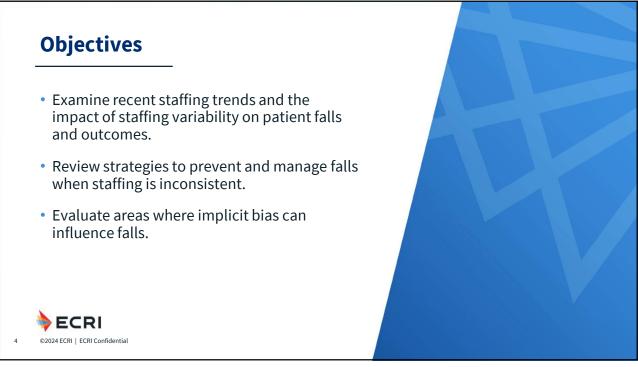
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Examine recent staffing trends and the impact of staffing variability on patient falls and outcomes.

Objective One



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Acute Care Nursing Shortages >25%

- Over 5 million RNs working in the U.S. today.
- Employment projected to grow 9% through 2030.
- 193,100 openings for RNs each year through 2032.
- Shortage of 78,610 full-time RNs in 2025.
- Top 3 states with the largest projected nursing shortage in 2035 are Washington, Georgia, California.
- Total supply of RNs decreased by more than 100,000 from 2020 to 2021 – the largest drop ever observed over the past four decades.
- In 2020, the median age of RNs was 52 years with >1/5 intent to retire over the next 5 years.

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>25% of RNs plan to leave the profession in the next five years.

Contributing Factors to the Nursing Shortage

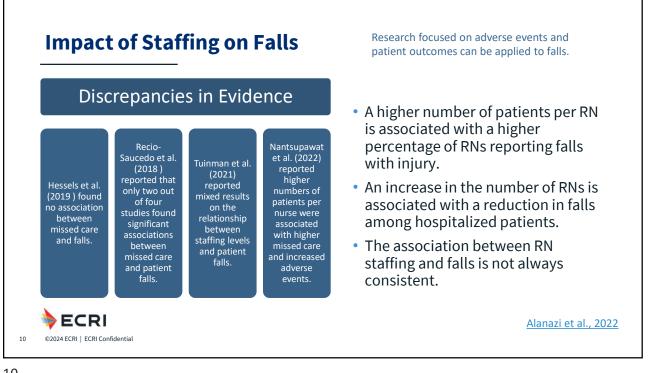
A shortage of nursing school faculty is restricting nursing program enrollments.

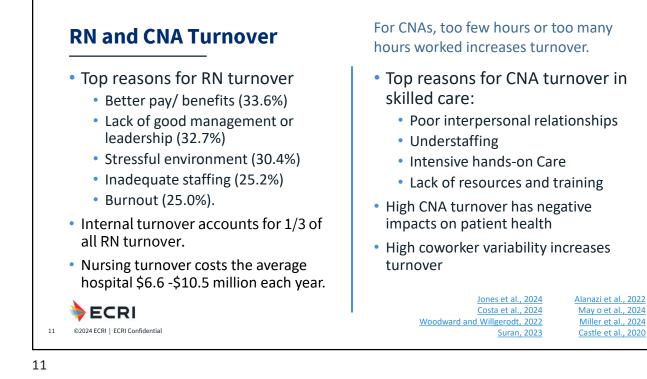
Changing demographics signal a need for more nurses to care for our aging population. A significant segment of the nursing workforce is nearing retirement age.

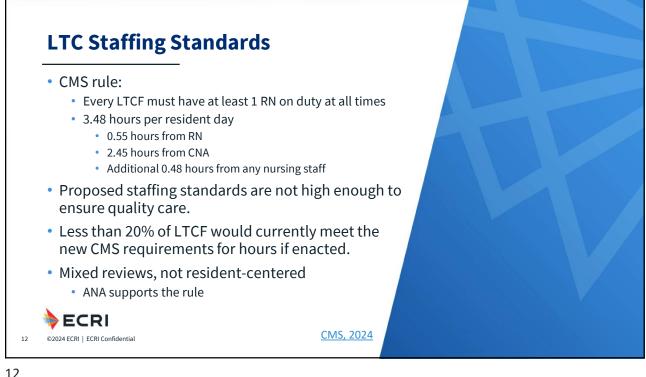
Amplified by the pandemic, insufficient staffing is raising the stress level of nurses, impacting job satisfaction, and driving many nurses to leave the profession.

AACN, 2024 <u>Costa et al., 2024</u> Woodward and Willgerodt, 2022

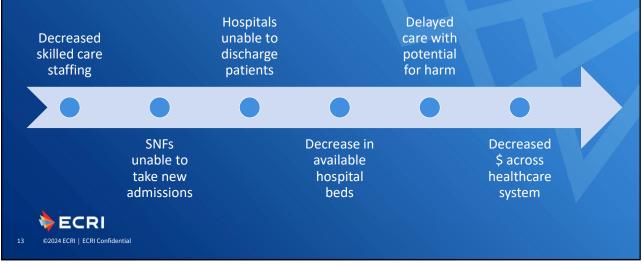








Staffing issues in skilled care directly effect hospitals.





RNs playing a key

role in hospital

systems for early

detection of

threats to patient

safety and timely

remedial

intervention.

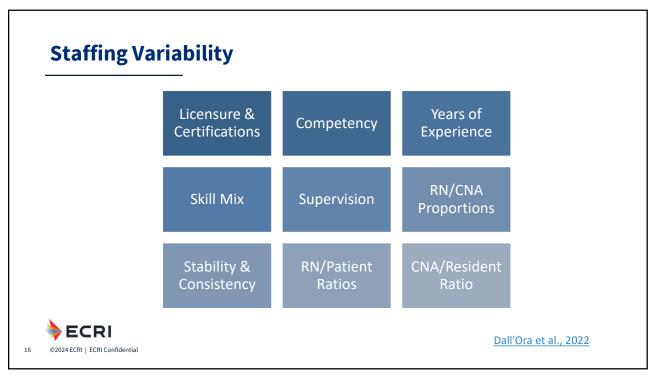
RNs are Protective

- Higher RN staffing levels and skill mix in hospitals are associated with improved care quality and patient outcomes, most notably reduced risk of death.
- Exposure to higher than the mean RN hours per patient day in the first 5 days of a hospital admission is associated with decrease in adverse events.
- Higher RN staffing levels or skill mix can reduce complications, such as infections, and shorten length of stay.
- A richer RN skill mix offers better patient outcomes at lower cost.
- Greater proportion of RNs is associated with better outcomes for patients and nurses.
 - Reducing nursing skill mix by adding CNAs may contribute to preventable deaths, erode care quality, and contribute to nurse shortages.

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Dall'Ora et al.,, 2022 Griffiths et al., 2019 AACN, 2024





Nursing Skill Mix

- The proportion of different nursing grades, and levels of qualification, expertise, and experience.
- Skill mix for direct patient care refers to a mix of licensed nurses (RNs, LPNs) and unlicensed assistive personnel (CNAs, aides, techs).
- Skill mix is a key staffing area to address as leadership is tasked with finding innovative ways to maintain positive patient outcomes amid shortages and manage escalating costs of staffing.

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Cermak et al., 2024

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Missed/Omitted care is NOT always due to understaffing Missed care tasks most related to Missed care tasks most related to poor understaffing and/or high care demands: allocation of material resources and/or poor work environment and communication: Ambulation Turning and repositioning Administrating scheduled medication Body and oral care Assessing vital signs Feeding and monitoring intake/output Teaching about illness Timely administration of PRN medication Emotional support management Counseling and training Assisting with toileting needs Adequate surveillance of cognitive impaired patients Timely responding to patient call lights Discharge planning or attending interdisciplinary care conferences The consequences of short staffing *cannot* be fixed by ECRI Cartaxo et al., 2024 additional staff on other days. Jones et al., 2015 ©2024 ECRI | ECRI Confidential 18

RN staffing is an indisputable component of safe, high quality patient care.

- No improvements in falls after replacing 3 of 25 RNs with 7 CNAs.
- No significant difference in fall rates upon the addition of CNAs to all-RN unit.
- Units with a higher proportion of licensed nursing staff had a lower incidence of safety events and better functional and social outcomes.
- Units employing a higher proportion of licensed nursing staff are noted to have higher perceived care quality by nurses.

A higher proportion of RNs is associated with a lower prevalence of adverse patient outcomes. Review strategies to prevent and manage falls when staffing is inconsistent.

Objective Two



Strategies - Falls Management

- 1. If baseline staff and/or skill mix is low, supplement staffing with RN hours.
- 2. Add other resources (equipment, technology, education/training).
- 3. Assign a Falls Champion.
- 4. Transparency to staff on falls performance perception matters!
- 5. Implement interventions through human factors engineering.
- 6. Improve post-fall assessment and actions prevent the NEXT fall!
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It takes a village!

- 7. Review Purposeful Rounding protocols.
- 8. Review how all nursing levels are oriented, monitored, audited, and continuously trained in falls prevention.
- 9. Improve documentation & communication about fall risk from hospital to skilled care.
- 10. Implement falls interventions that don't require staff direct care:
 - Sleep quality/schedules
 - Medication reviews
 - Nutrition and hydration
 - Environmental

Griffiths et al., 2023 Alanazi et al., 2023

Strategies - Falls Management

- 11. Don't assume a process or intervention won't work when there is a gap in evidence.
- 12. Get therapy more involved in falls prevention.
 - Early evaluations and mobility recommendations
- 13. Address staff variability.
 - Stability and consistency
 - Mix of skill and experience
- 14. Staff feedback continuous!Informal, 1:1, team meetings, formal surveys
- 15. <u>Team STEPPS</u> (or other communication improvement program).

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It takes a village!

- 16. Scrutinize falls data from past year.
 - Any trends around staffing?
- 17. Annual PIP targeting falls.
- 18. Prioritize support of CNAs
 - Prioritize work relationships and environment
 - \$\$\$ and resources to build work relationships
 - · Consistent staffing teams
 - · Leadership support and encouragement
 - Continuous education and training based on their preferences (escape rooms are a hit!)

Strategies - Workplace Environment for Nurses/CNAs

An optimal work environment for nurses is 'a practice setting that maximizes the health and well-being of professional nurses, quality patient or client outcomes, organizational performance and societal outcomes.' (RNOA)

- Nursing units with strong collaboration between nurses, staff physicians, and pharmacists were associated with fewer falls and lower nurses' perceptions of falls frequency.
- Nurse perception of safety culture is crucial in preventing patient falls.
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- Determinants of a health work environment for RNs:
 - Effective nursing leadership
 - Effective communication
 - Effective teamwork
 - Professional autonomy
- Determinants of a healthy work environment for CNAs:
 - Relationships with supervisor
 - Relationships with nursing staff
 - Positivity and support
 - Education and training provided

Strategies - Organizational Professional Practice Model (PPM) • PPM can lead to improvements in patient outcomes, including falls with an injury. PPMs are one of the essential components of the Magnet Recognition Program[®]. Key Visionary leadership components Collaborative nursing practices to consider within a PPM Nurse development and recognition Autonomy within practice Participation in decision-making at an organizational level Professional growth Health-wellness support Respect

Safety culture
 The individuals' values and beliefs

regarding what is essential in healthcare settings and their attitudes and behavior towards the appropriate and inappropriate actions and the management role in the rewards and punishments for better patient safety.

87% of nurses stated improving nurse staffing as the

most effective intervention for reducing burnout.

 Nursing units with a strong safety climate and safety behavior reported lower incidence rates of falls and less frequent nurses' perceptions of falls occurrence.

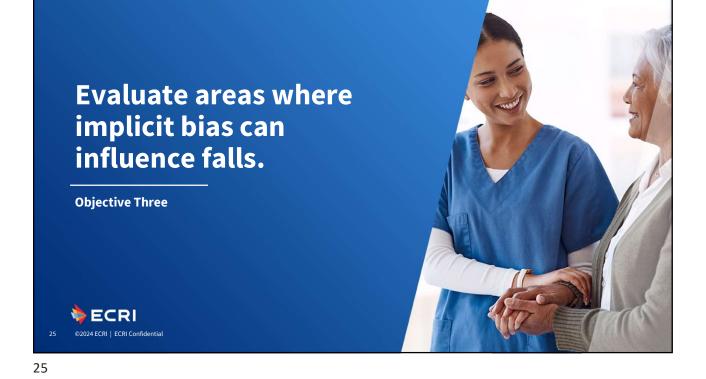
> Doleman et al, 2023 Alanazi et al., 2023

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Implicit Bias in Healthcare

Implicit biases are attitudes and beliefs about race, ethnicity, age, ability, gender, or other characteristics that operate outside our conscious awareness and can be measured only indirectly.

Implicit biases surreptitiously influence judgment and can, without intent, contribute to discriminatory behavior.

A person can hold explicit egalitarian beliefs while harboring implicit attitudes and stereotypes that contradict their conscious beliefs. Implicit bias is a real, abundant, and a major problem in clinical decision making.

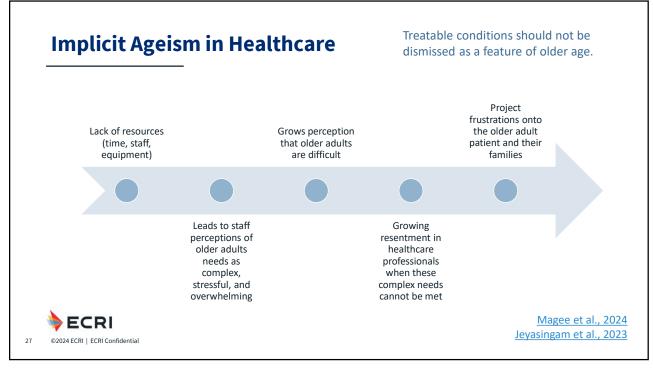
- Implicit bias is a significant contributor to adverse events in healthcare.
- Bias impacts decision-making in healthcare and is a patient safety concern.
- Healthcare providers hold implicit biases at about the same rate as the public.

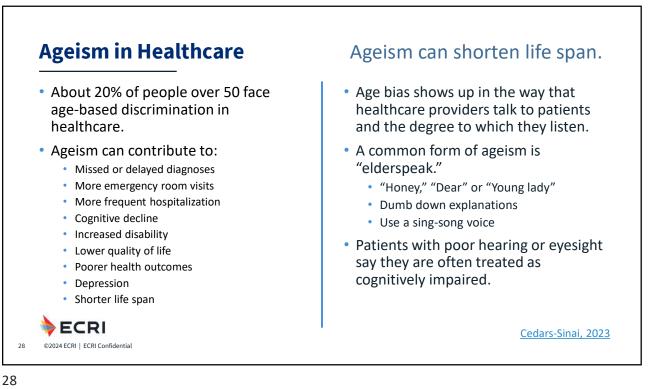
<u>Thirsk et al., 2024</u> <u>Sabin, 2022</u>

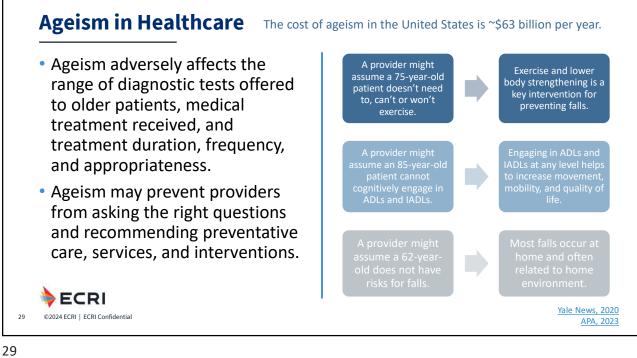
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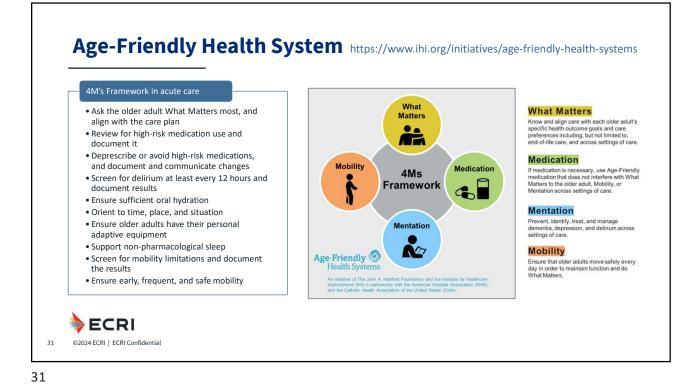
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Older adults who take in more negative age beliefs tend to show worse	
physical, cognitive, and mental health.	
Older adults with more negative feelings about getting older are more likely to experience higher levels of stress.	Older adults who are exposed to or develop more positive age beliefs tend to show benefits in physical cognitive, and mental health.
Older adults who feel fatalistic about getting older may be less likely to engage in healthy behaviors.	
Negative self-perceptions of aging are associated with a higher prevalence for all eight of the most expensive health conditions in the US, which includes falls.	



Weight Bias in Healthcare

- Providers may alter medical practices and choices of treatment for patients with a BMI in overweight or obese, especially female patients.
- Weight bias affects rapport-building and ability to empathize.
- Weight bias may lead to less patient movement and mobility, leading to increased fall risk factors.

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 Sefcik, 2022

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 Hauff et al., 2019

Weight bias may assume patients cannot move safely, with or without assistance and equipment.

- Nurses believed patients with obesity lacked self-control and working with obese patients to be physically exhausting and stressful.
- CNAs report not wanting to work with residents with obesity due to high intensiveness of care, time intensiveness, and the potential for personal injury.

Extensive planning and decision-making by SNFs to determine if they can potentially care for obese patients.

(High potential for weight bias)

Summary

- Staffing shortages for RNs and CNAs are critical and impact patient safety and falls.
- Evidence is inconsistent concerning staffing variability impact on falls, BUT clear evidence that RNs prevent adverse events and improve patient outcomes.
- Staffing shortages, variability, and inconsistency does NOT assume increased falls.
- Staffing issues in skilled care directly effects hospitals.
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- Strategies to prevent falls through staffing challenges should target the falls program, workplace environment, and organizational culture.
- Age, weight, and cognition should not prevent implementation of fall prevention strategies.
- Consider implementing 4M's Framework to address ageism

Staffing strategies need to consider the impact of variability on adverse events and patient outcomes.



