Student nurses as intervention advocates: Measuring the impact of a novel approach to implementation of Instrumental Activities of Daily Living (IADL) Assessment on registered nurses' knowledge, attitude, and practice Irina Koyfman, NP-C, MSN, RN; Advisors: Phyllis Sharps, PhD, RN, FAAN; Rebecca Wright PhD, BSc (Hons); Patricia M. Davidson, PhD, MEd, RN, FAAN; Mentor: Sue Carol Verrillo, DNP, RN, CRR

Instrumental Activities of Daily Living (IADL) are: Shopping, cooking, housekeeping, laundry, taking medications correctly, handling finances, using modes of transportation, and using telephone (Graf, 2008).

INTRODUCTION

- > IADLs' decline within hours of hospitalization and linked to negative patients' outcomes (Graf, 2008; Cornette et al., 2004; Zisberg et al., 2016).
- > In the hospital settings IADLs are often overlooked, under assessed, and underreported (Greysen, et al., 2015).
- > Majority of medical records indicate inadequate documentation of IADL assessment in the hospital setting (Bogardus, Towle, Williams, Desai & Inouye, 2001).
- > The reasons for the lack of the IADLs assessment have not been clearly explored in the literature; however, one of such reasons could be the widely publicized high rate of nursing burnout (Holdren, Paul III, & Coustasse, 2015).
- > Innovative strategy to utilize nursing students to integrate this EBP to promote higher quality of care, as well as improve registered nurses' knowledge, attitude and practice about IADL.

PROJECT PURPOSE:

MEASURES

> To evaluate the feasibility of nursing students performing an evidenced-based IADL assessment, and the impact on nursing knowledge, attitude, and practice.

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Home > January/February 2019 - Volume 37 - Issue 1 > A Call for Interfacing Measures of Instrumental Activities o	 and dials numbers Dials a few well-known numbers Answers telephone, but does not di Does not use telephone at all
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Buy This Article> Become a Subscriber> Get Content & Permissions> Institutional members access full text with Ovid®	 Takes care of all shopping needs in Shops independently for small pure Needs to be accompanied on any sh Completely unable to shop
A Call for Interfacing Measures of Instrumental Activities of Daily Living Across the Transition of Care Koyfman, Irina, MSN, RN, NP-C; Finnell, Deborah, DNS, CARN-AP, FAAN Home Healthcare Now January/February 2019 - Volume 37 - Issue 1 - p 44–49 doi: 10.1097/NHH 00000000000715 Feature Exercise A. What does IADL mean? 1. Independent Activities of Daily Living 2. Instrumental Activities of Daily Living 3. Instrumental Activities of Daily Living 3. Instrumental Activities of Daily Living 4. Both land 2 are correct and used interchangeably Answer: 3 From the options below, identify which are IADLs. SELECT ALL THAT APPLY. 1. Bathing 2. Cooking 3. Shopping 4. Walking 5. 2 and 3 6. All of the above Answer: 5 C. Loss of functional ability to perform IADLs generally precedes a decline in ADL Answer: 5 C. Loss of functional ability to perform IADLs generally precedes a decline in ADL Answer: 5	 Plans, prepares, and serves adequate meals independently Prepares adequate meals if supplies with ingredients
 IADL in the hospital?' Strongly disagree Somewhat disagree Neither agree or disagree Strongly agree E. Knowing about patient's decline in IADL can influence discharge planning?' Strongly disagree Somewhat disagree Somewhat disagree Somewhat disagree Somewhat agree Somewhat disagree 	Reference

Johns Hopkins Hospital, Orthopedic/Spine/ Trauma Unit

large, urban teaching hospital.

- on the unit
- to the literature average time.

Table 1

Demographics of Nurses Sample n=10 Demographics Age (average, SD) 29.56 (8.206) 4.368 (6.3198) Years of Nursing Exp (average, SD) Education AA (20%), BSN (70%), MSN (10%) Number of nursing students mentored None (45%), 1-4 (20), 6-10 (0.5%), too many to count (20%)

instrumental activities of daily scale

D. Housekeeping

- Maintains house alone with occasion assistance (heavy work).
- 2. Performs light daily tasks such as dishwashing,
- bed making ...
- 3. Performs light daily tasks, but cannot maintain
- acceptable level of cleanliness 4. Needs help with all home maintenance tasks
- 5. Does not participate in any housekeeping tasks 0

E. Laundry

- Does personal laundry completely 2. Launders small items, rinses socks, stockings, etc
- All laundry must be done by others

Table 2

		Knowledge Questions (0-3)		Attitude Q (2-1	•
		Pre	Post	Pre	
	Median	1	1.5	9.5	
Interquartile range	25	1	1	8.7	
	75	2	2	10.0	

Week 1	Week 2	Week 3
26	26	24
19	10	15
73%	38%	63%
5 (2.3)	6.4 (5.3)	3.4 (1.5)
	(0.0)	
	26 19	26 26 19 10 73% 38%

Note. The mean time for IADLs assessment is 4 minutes. The mean % of patients assessed versus total population is 62%

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METHODS:

Pre-post-test design on an adult inpatient Orthopedic/Spine/ Trauma unit at a

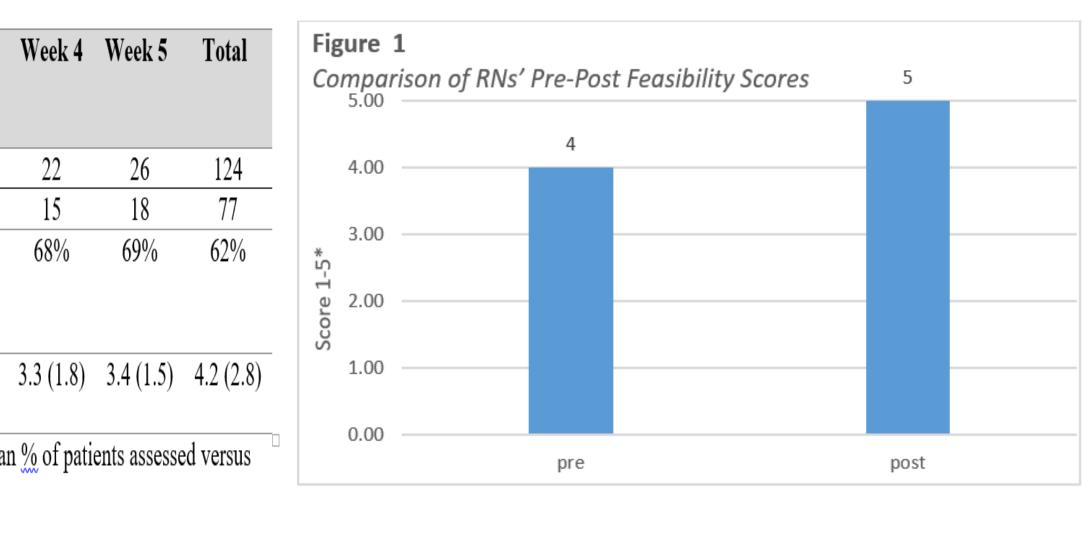
ANALYSIS

Descriptive statistic were used to report on the pre and post project effects on RN's knowledge, attitude and practice as measured by novice questionnaire \checkmark The median and the interquartile ranges (IQR) were used in the data analysis. ✓ The number of assessments completed as compared by total numbers of patients

✓ The average time it took nursing students to complete the assessments compared

RESULTS

Figure 2 Are you planning to implement IADL assessment in your workflow? Practice Questions Duestions (3-15) Pre Pre 10 11.7 8.7 87 10.0 12.0 15.0 Somewhat disagree Neither agree nor Strongly disagree Somewhat agree Strongly Agree disagree Note. Median Scores: Knowledge increased; Attitude increased; Practice did not change; Pre Post





- assessment
- increasing the quality of nursing care.

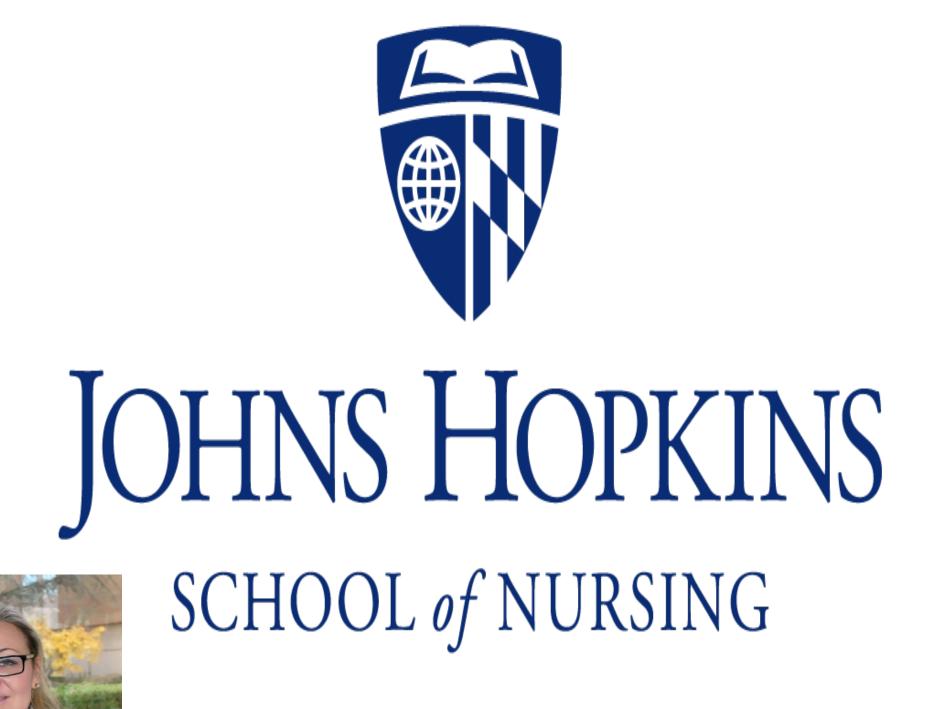
DISCUSSION

RNs' Knowledge scores increased due to nursing students RNs' Attitude scores increased due to students RNs' Practice score to important question increased RNs agreed that it is feasibly for nursing students to perform IADL

CONCLUSION:

Utilizing nursing students could be useful to increase the implementation of IADLs assessment into the nursing workflow.

> Additional projects that use nursing students as intervention advocate in not only IADLs assessment but incorporation of other evidenced based practices may be important to increasing the uptake of EBP and



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