Appendix A

Evidence Table

(2011).Dynamics Paradigm of Nurse RetentionTotal sent = 600 Return rate = 51.3%DV1: JS DV2: ItS5 Like $\alpha = 0.4$	1LQ: 45 items, 1- SPSS v. 17.0		1
on nurses'leadership stylesRNs ;summsatisfaction and intention to stay among Saudi nurses.of nurse managers on Saudi nurses'(means NR)scale;difference among Saudi nurses.job satisfaction and their intent to stay at work.G: 56% female MS: 53% single Ed: 52% diplomaMcCa rating	Likert scale; = 0.87 SS: 36 items, 1-5 immated rating cale; $\alpha = 0.73$ AcCain's ItS cale: 5 items, 1-5 ating scale; = 0.80	CI = 0.05, power 0.80. + corr TfL & JS (r = 0.45, $p < 0.001$) - corr TaL & JS (r = -0.14, $p < 0.01$) + corr JS & ItS (r = -0.15, $p < 0.01$) Relation of TfL to ItS and TaL to ItS insignificant JS score: $m =$ 3.69 ($SD = 0.49$) TfL: $m = 3.43$ ($SD = 0.82$) TaL: $m = 2.98$ ($SD = 0.57$) ItS: $m = 3.24$ ($SD =$ = 1.04) Regression Analysis: 32% JS explained by nursing exp (Std $\beta =$ 0.21, p < 0.05), TfL (Std $\beta =$ - 0.30, p < 0.01) 5% ItS explained by JS (Std $\beta =$ 0.17, p < 0.05)	LOE: VI Strengths: Sample size meets Cl/power requirement; findings supported by other studies; ED RNs in sample. Weaknesses: Convenience sample; conducted at 6 government health institutions where NM have limited authority Conclusions: TfL improves JS, while LP/S does not impact ItS Feasibility: LOE is useable - NM can develop TfL skills as low risk intervention to improve staff JS and potentially RN retention. Cost for education and interventions will vary. Leader buy-in may be a challenge.

Citation	Theoretical	Study Design	Sample/Setting	Major Variables	Measurement	Data Analysis	Findings	Decision for use
Citation Cowden, T., (2011). Leadership practices and staff nurses' intent to stay: A systematic review. Country: Canada Funding: No funding was received Bias: None noted	Theoretical Framework Anticipated Turnover Model; Conceptual Model of Behavioral Intentions; Conceptual Model of Intent to Stay; Determinants of Nurse Intention to Remain Employed Model; Kanter's Theory of Structural Empowerment; Model of Nursing Turnover; Nursing Systems Outcomes; Organizational Dynamics Paradigm of Nurse Retention; Psychosocial Work Environment	Study Design Design: SR Purpose: Describe the findings of a systematic review of studies that examine the relationship between managers' leadership practices and staff nurses' intent to stay in or to leave their current position.	Sample/Setting n= 23 Type: Quan = 22 Qual = 1 Quality rev Quan: n = 13 moderate n = 9 strong Inclusion criteria: Peer-reviewed research; English language publication; published 1985-2010; meas. NM LP; meas. ItS; meas. 1 or more factors contributing to ItS. Exclusion criteria: Not specific to RNs; Attrition: NR	Major Variables IV: LP/S DV: ItS/ItL	LP/S: MLQ – 4 studies Nurse Work Index – 3 studies Kim, Price, Mueller, & Watson tool – 2 studies LP/S meas. embedded in 14 studies. $\alpha = 0.61$ – 0.94 for all tools ItS: 11 different tools, $\alpha = 0.56$ – 0.97 Qual: Used researcher developed questions/analysis Tools reported as valid via previous findings, factor loading, factor	Data Analysis Hierarchical regression, Descriptive statistics, Multiple regression, ANOVA, Tukey post-hoc test, Pearson correlation, Logistic regression, Chi- square test, Fisher's exact test, Linear regression, Factor analysis, <i>t</i> -tests Qual: Content analysis, common themes/categories	Findings 8 common LP/S identified across studies as impacting ItS: 1. TfL style 2. Manager characteristics 3. NM Power 4. NM Influence 5. Supervisor support 6. NM Decision making style 7. Trust 8. Praise & recognition	LOE: V Strengths: Good quality studies; consistent findings across studies; shows evolution of leadership practices Weaknesses: Large time span for 23 studies (1989 – 2010), with different emphasis in earlier studies and variability in defining leadership; lack of theoretical framework in some studies Conclusions: LP/S influences ItS, with TfL or relational leadership approaches showing
	Nurse Retention; Psychosocial Work		Not specific to RNs;		Tools reported as valid via previous findings, factor			influences ItS, with TfL or relational leadership approaches showing greatest impact. Feasibility: LOE is useable - NM can develop Tfl skills and create a supportive work environment to influence ItS as a low risk strategy. Cost for
								education and interventions will vary. Leader buy-in may be a challenge.

Citation	Theoretical	Study Design	Sample/Setting	Major Variables	Measurement	Data Analysis	Findings	Decision for use
	Framework							
Cummings, G.,	Transformational	Design: SR	n = 53 total studies	IV: LP/S	MLQ – 17 studies	Pearson	5 themes	LOE: V
(2010).	and Transactional	_			LP/S Inventory -	correlational,	identified:	~
	Leadership;	Purpose:	All studies used	DV1: JS	5 studies	Regression	1. Highest JS	Strengths: Most
Leadership styles	Leadership	To systematically	correlational, non-	DV2: OC &	Leadership	analysis, Chi-	associated with	studies used
and outcome	Practices;	review the	experimental, cross-	ItS/ItL	Behavior	square, Fischer's	relational	theoretical
patterns for the	Situational	multidisciplinary	sectional designs	DV3: H&W	Description	exact test,	focused/TfL (22	framework (87%);
nursing workforce	Leadership	literature to	0.15	DV4: WE	Questionnaire – 8	ANOVA,	studies) and	large number of
and work	Model; Path Goal	examine the	Quality:	DV5: Prod	studies	Multiple	lowest with task	studies included
environment: A	Theory;	relationships	n = 31 medium		Leadership	regression,	focused/TaL (10	
systematic	Consideration and	between various	n = 22 strong		Effectiveness	Hierarchical	studies)	Weaknesses:
review.	Initiation;	styles of			Description – 2	regression, Other	2. Higher OC	Common weakness
0 1 0 1	Kanter's	leadership and	Inclusion criteria:		studies	correlations,	with TfL (10	of studies related to
Country: Canada	Organizational	outcomes for the	Published 1985 –		Leader EP	Linear regression,	studies), lower OC with TaL (5	sampling, design and
Funding: None	Empowerment Theory	nursing workforce and their work	2009; English language; Peer-		Behaviors – 2 studies	Descriptive statistics,	studies). Higher	analysis; only 64% of studies had response
stated	Theory	environments.	reviewed research;		studies	MANOVA	ItS and retention	rate of 60% or greater
stated		environments.	meas. leadership by		19 used researcher	regression,	with TfL (7	Tate of 60% of greater
Bias: None noted			nurses; meas. 1 or		developed	Structural	studies)	Conclusions:
blas: None noted			more outcomes of		instrument	equation	3. Better H&W	Relational-focused
			NL; examined		instrument	modeling, <i>t</i> -test,	with TfL (7	leadership
			relationship between			Spearman rank	studies) and	practices/TfL led to
			leadership and			order,	worse with TaL (4	much more frequent
			outcomes for nursing			order,	studies.	and encouraging
			workforce or work				4. Greater EP	outcomes than task-
			environment.				with TfL (6	focused leadership
			environment.				studies), Better	practices/TaL.
			Exclusion Criteria:				WE with TfL (6	practices/rail.
			Qual; grey literature;				studies)	Feasibility: LOE is
			did not meet				5. Higher Prod	useable, but needs
			inclusion criteria				with TfL (13	more research.
							studies), lower	Relationship and
			Attrition: NR				Prod with TaL (6	mechanisms of action
							studies)	for specific LP/S and
								outcomes is under-
								theorized. Research
								indicates enough
								positive relationships
								for NM to act.
1								
1								

Citation	Theoretical Framework	Study Design	Sample/Setting	Major Variables	Measurement	Data Analysis	Findings	Decision for use
Duffield, C. (2010). Nursing unit managers, staff retention and the work environment. Country: Australia Funding: New South Wales Health; Grant-in- aid for Scientific Research; Grant for International Collaborative Research Bias: None noted	Situational Leadership Model	Design: DC Purpose: Examine the impact of leadership characteristics of nursing unit managers, as perceived by staff nurses, on staff satisfaction and retention.	N = 2141; Response rate 80.3% Setting: Randomly selected 94 units, from 21 hospitals in 2 Australian states Demographics: Licensure: RN = 1559 CNS = 29 LPN = 582 ES: 1107 FT, 696 PT Inclusion: All nurses on selected wards invited. Exclusion: 3 units excluded for incomplete data. Attrition: NR	IV: LP/S DV1: JS DV2: SwN DV3: ItL	Nursing Work Index-Revised: 49 items, only used 12 items on LP/S, 1-4 scale; $\alpha = 0.80$.	SPSS v.16 Regression analysis	CI = 0.05, power NR 6 LP/S items increase JS: 1. Praise & recognition, β =1.47, p <0.01 2. NM philosophy of patient care, β =1.26, p <0.01 3. NM "good" leaders, β =1.17, p<0.05 4. Flexible schedule, β =1.16, p<0.05 5. NM engage staff to control costs, β =1.16, p<0.05 6. NM highly visible/accessible, β =1.15, p <0.05 2 LP/S items increase SwN: 1. Praise & recognition, β =1.40, p <0.01 2. NM philosophy of patient care, β =1.29, p <0.01 2 LP/S items decreased ItL: 1. Praise & recognition, β =0.83, p <0.01 2. NM "good" leaders, β =0.80, p<0.01	LOE: VI Strengths: Large sample size; good response rate; results align with other studies Weaknesses: Characteristic "good" NM not defined; secondary analysis of data collected in 2 other studies Conclusions: NM who consult with staff and provide positive feedback increases JS and SwN. Praise and recognition are characteristics of TfL. Feasibility: LOE useable - NM developing a LP/S of providing praise and recognition is a low risk/low cost strategy to influence JS, SwN and ItL. Leader buy- in may be a challenge.

Citation	Theoretical Framework	Study Design	Sample/Setting	Major Variables	Measurement	Data Analysis	Findings	Decision for use
Moneke, N., (2013). How leadership behaviors impact critical care nurse job satisfaction. Country: USA Funding: none identified Bias: none noted	Maslow's Hierarchy of Needs; Dual Factor Theory; Domain of Leadership Practices	Design: DC Purpose: Determine the factors influencing critical care nurses' perception of their overall job satisfaction.	Initial N = 137 N = 112 (81.7%) Setting: critical care units (including ED) in large, acute care, nonprofit in New York City. Demographics: Means not reported: Age: 40.8% 29-38 G: 77% Women Ed: 56.6% BSN Exp: 34.9% <4yrs, 31.7% 5-9 yrs, 20.6% 10-14 yrs. ES: 90.6% FT Shift: 48.8% day Inclusion: RNs; employed at least 6 months Exclusion: NM, CNS, NP, NA; 25 (18%) incomplete surveys Attrition: NR	IV1: LP/S IV2: OC DV1: JS DV2: OC	LP/S Inventory: 30 items/5 domains of LP/S, 1-10 Likert scale; $\alpha = 0.91 - 0.95$. OC Questionnaire: 18 items, 1-7 Likert scale; $\alpha = 0.86$. Job in General Questionnaire: 18 items, yes/no/cannot decide; A = 0.87.	Pearson correlation, Multiple regression, ANOVA	CI = 0.05, power NR + corr LP/S & JS (r = 0.24, p) =0.01) + corr OC & JS (r) = 0.66, p = 0.00) + corr LP/S & OC (r = 0.25, p) = 0.001) Regression analysis of G, Age, Exp, Ed and JS did not produce statistically significant relationships. ANOVA for impact of specialty area, title, shift, ES and JS were not statically significant.	LOE: VI Strengths: Good response rate and sample size; finding strongly align with previous studies Weaknesses: Voluntary participants from 1 healthcare setting, decrease generalizability; OC is used as IV and DV Conclusions: Critical care RNs are likely to have higher JS and OC when they have leaders who engage in 5 domains identified in LP/S Inventory: challenge the process, inspire shared vision, enable other to act, model the way, and encourage the heart (all of which are components of TfL). Feasibility: LOE usable - NM implementing practices is a low risk strategy to inf JS and OC. Leader buy-in may be challenge.

Citation	Theoretical Framework	Study Design	Sample/Setting	Major Variables	Measurement	Data Analysis	Findings	Decision for use
Raup, G., (2008). The impact of ED nurse manager leadership style on staff nurse turnover and patient satisfaction in academic health center hospitals. Country: USA Funding: none identified Bias: CEUs and \$15 gift certificate provided to all volunteer participants	Transformational and Transactional Leadership; Full Range Leadership Model	Design: DC Purpose: Examine the impact of leadership styles used by ED nurse managers in academic health centers on nurse turnover and patient satisfaction.	N= 45 NM = 15 RN = 30 Setting: EDs at academic hospitals throughout USA; 98 potential sites, 15 sites (15.3%) completed study: Mountain – 3 North Central – 1 North East – 1 South Atlantic – 2 South Central - 8 Demographics: TfL Age: 48.8 TaL Age: 40.3 TfL Exp NM: 9.6 yrs TaL Exp NM: 9.6 yrs TaL Exp NM: 4.4 yrs NM G: 12 female NM Ed: 9 BSN, 6 Masters No information provided on staff RNs. Inclusion: ED NM & 2 randomly selected direct report RNs per NM; Academic Hospitals Exclusion: 8 sites (35%) with incomplete data Attrition: NR	IV: LP/S DV1: TO DV2: PS	MLQ: 45 items, 1- 5 Likert scale; α NR Research defined ED NM role survey: 10 items, scale NR; α NR	Fischer's exact test	CI = 0.05, power NR 80% (12 0f 15) NM use TfL. Impact of TfL vs TaL on TO and PS was not statistically significant due to limited sample size. Trend LP/S on TO: TfL = 12.97% TO TaL = 29.31% TO. No trend identified LP/S on PS: TfL = 76.68% PS TaL = 76.5% PS	LOE: VI Strengths: States MLQ confirmed as reliable and valid instrument for meas. TfL; used ED RNs & NM only for sample Weaknesses: Small sample size (only 15.3% of possible locations); Voluntary sample may increase bias; Limited reliability/validity information provided; Conclusions: While study did not find statistically significant impact of LP/S on TO or PS, the identified trend towards potential significance of lower TO with TfL is supported by other research. Feasibility: LOE is usable. Taking these results into consideration with other studies, ED NM can have confidence to act, practicing TfL behaviors to influence ED staff TO as a low cost strategy.

Citation	Theoretical Framework	Study Design	Sample/Setting	Major Variables	Measurement	Data Analysis	Findings	Decision for use
Citation Sawatzky, J., (2012). Exploring the key predictors of retention in emergency nurses. Country: Canada Funding: Dr. Paul H.T. Thorlakson Foundation Fund Bias: none noted		Study Design Design: C-S Survey, Mix- method Purpose: To explore and describe the influencing and intermediary factors which predict the retention of nurses working in emergency departments.	Sample/Setting N= 261 Setting: 12 adult ED in Manitoba, Canada Demographics: Age: 41.1 G: 89% female Ed: 54% Diploma Exp: 15.5 yrs ED Exp: 10.2 yrs ES: 37% FT Shift: 92% rotating MS: 73% married Income: 48% >\$100K combined Children: 68% yes Caregiver: 22% yes Inclusion: FT & PT ED RNs Exclusion: NM; Per Diem/Casual RNs Attrition: NR	Major Variables IV1: IF (LP/S, WE, Demo) IV2: IM (JS, EG, CS, CF, BO) DV: ItL	MeasurementFor IF: Perceived Nurse Working Environment: 42 items, 1-4 Likert scale; $\alpha = 0.56 - 0.91$.For IM: JS, 1 item, 1-5 Likert scale; α NR.Engagement Composite Questionnaire, 6 items, 1-5 Likert scale; $\alpha = 0.93$.Professional Quality of Life: 30 items, 10 items each addressing CS, CF, & BO, 1-5 Likert scale; $\alpha = 0.80$.Price and Mueller's ItL; 1 item, 1-5 Likert scale; α NR.	Data Analysis SAS v.9 ANOVA, Logistic regression models	Findings $CI = 0.05$, power NRIF & IM Relationships: EG pred for JS, CS, CF & BO (all $p < 0.001$)LP/S pred for JS ($p < 0.001$)WE pred for CS & CF ($p = 0.01$)Demo (MS, Ed) and WE inverse pred for BO ($p = 0.01$)IM/IF relation to ItL current position: Low EG ($p < 0.001$), Demo- Income <\$100K ($p = 0.02$)ItL Nursing: Low CS ($p < 0.001$), Demo- Higher Age ($p < 0.001$), Demo- Income <\$100K ($p = 0.001$)	Decision for use LOE: V1 Strengths: Large sample, specific to ED RN retention Weaknesses: Theoretical framework had not been tested; voluntary sample may provide biased results; did not clearly define all variables Conclusions: EG key factor for ED RN retention. Feasibility: LOE usable - ED NM can develop LP/S to increase EG as a strategy to improve ED RN retention. Low risk strategy, cost will vary depending on intervention to increase EG.

Citation	Theoretical Framework	Study Design	Sample/Setting	Major Variables	Measurement	Data Analysis	Findings	Decision for use
Van den Heede, K., (2011). Effective strategies for nurse retention in acute hospitals: A mixed method study Country: Belgium Funding: European Union's Seventh Framework Programme Bias: none noted	Organizational Dynamics Paradigm of Nurse Retention; Grounded Theory	Design: Sequential Mixed Method: C-S data and grounded theory methodology Purpose: Examine the impact of nursing practice environments, staffing and on reported intent to leave and best practices being implemented to retain nurses.	N= 3186 m response rate/hospital = 72% Setting: Quan: 272 randomly selected nursing units in 56 Belgian acute care hospitals, 4-6 units/hospital. Qual: 6 hospitals; 3 highest ItL and 3 lowest ItL Demographics: Age: 38 Exp: 15 yrs G: 90% female Inclusion: All Belgian acute hospitals invited; RN providing direct patient care; Exclusion: RN on maternity, extended sick or study leave; Attrition: NR	IV1: ST IV2: Ed IV3: WE (LP/S,RL, PAR) DV: ItL Qual Themes: T1: TfL T2: EP T3: PP T4: IN T5: QoC	Organizational Profile Survey used as part of the RN4CAST study (which included 12 European countries): Provided bed size, teaching status, and technology level; no further details provided. Practice Environment Scale of the Nursing Work Index: 32 items, 1- 4 Likert scale; $\alpha = 0.71 - 0.84$. Researcher developed questions for Qualitative Study interviews focused on WE, JS, BO, ItL	SAS v.9.2 Logistic regression analyses using Generalized Estimation Equation approach. Qual: Items mapped to 5 Magnet Hospital components, performed by 1 researcher and validated by 2 other researchers.	CI = 0.05, power NR Quan analyses: ST inf ItL ($p < 0.03$) <i>m</i> patient- to-RN ratio = 10.40 (SD =1.71) WE inf ItL ($p < 0.001$) Ed did not inf ItL Qual analyses: For high performing hospitals: T1: TfL is LP/S T2: Higher RN EP & a flat management structure. T3:93% (versus 80%) RN satisfied with PP. T4:89% (versus 66%) satisfaction with IN & learning opportunities T5: RNs perception of QoC - 93% "good" or "excellent" (versus 65%); 95% (versus 67%) would recommend hospital to family/friends	LOE: VI Strengths: Large sample size, good response rate; mix method provides greater understanding of data; Findings align with other studies showing Magnet accredited hospitals have better WE. Weaknesses: Not all Magnet components were fully covered; Qual study on Flemish hospitals only Conclusions: WE & ST inf ItL. Hospitals with low ItL rates mirror organization features promoted by the Magnet Recognition program Feasibility: LOE usable. The process of obtaining Magnet hospital accreditation can be considered an effective strategy to improve RN retention. Process can be labor intensive and costs will vary.

Citation	Theoretical Framework	Study Design	Sample/Setting	Major Variables	Measurement	Data Analysis	Findings	Decision for use
Yeh-Ju Lin, B., (2010). The role of leader behavior in hospital-based emergency departments' unit performance and employee work satisfaction. Country: Taiwan Funding: National Health Research Institute Bias : none noted	Systematic Model for EDs (author developed)	Design: C-S Purpose: Explore how the behaviors of a hospital-based ED leader relate to unit performance and employees' work satisfaction.	ED N = 112 N = 1344 completed questionnaires (12/ED; 4 staff completing 3 instruments) Setting: Hospital- based ED throughout Taiwan Demographics: Individual demographics not provided. Inclusion: All 385 ED NM were invited; 4 randomly selected by birthday ED staff (2 MD, 2 RN) from each completed 3 surveys Exclusion: NR Attrition: NR	IV: LP/S DV1: Prod DV2: JS	Researcher designed questionnaires: ED Leadership Questionnaire: 10 items, 1-5 Likert scale; $\alpha = 0.84 - 0.88$. ED Unit Performance Questionnaire: 9 items, 1-5 Likert scale; $\alpha = 0.92$. ED Employee Satisfaction Questionnaire: 1 item, scored 0 – 100; α NR	Structural equation model	CI = 0.05, power NR Task-oriented LP/S + related to Prod ($y = 0.58$, $p < 0.001$) Both Task- oriented ($y = 0.27$, $p < 0.05$) & Employee- oriented LP/S ($y = 0.30$, $p < 0.05$) + related to ED RN JS Neither type of LP/S related to ED MD JS	LOE: VI Strengths: Large sample, population ED staff Weaknesses: Used hospital-based EDs only; Equal weight to ED MD and RN responses; Prod used subjective meas (employee ratings); Results differ from majority of other studies. Conclusions: Task- oriented LP/S supports ED performance by establishing well- defined goals and how to achieve them. Both LP/S support ED RN JS by enhancing communication, autonomy & group cohesion. Feasibility: LOE usable - ED NM can consider a combination of LP/S to inf ED RN JS and Prod. Cost will vary by intervention. Buy- in should be easier as both LP/S have merits.

Citation	Theoretical Framework	Study Design	Sample/Setting	Major Variables	Measurement	Data Analysis	Findings	Decision for use
Young-Ritchie, C., (2009).	Author created model integrating Kanter's Theory	Design: Predictive, non- experimental C-S	N = 206 Setting: Ontario,	IV : LP/S DV1: EP	Emotional Competency Inventory 2.0: 72	SPSS v.13.0 Descriptive	CI = 0.05, power = 0.80, Effect size = 0.13 (N = 77	LOE: VI Strengths: Large
The effects of emotionally intelligent leadership	of Structural Power and Goleman's Emotional	Purpose: Explore the relationship among leadership	Canada; RNs recruited via College of Nurses registry list	DV2: OC	items, 1-5 Likert scale; $\alpha = 0.99$.	statistics and reliability analyses, Path analysis, Pearson	needed) Perception of LP/S as	sample; population ED staff only Weaknesses:
behavior on emergency staff nurses' workplace empowerment and organizational	Intelligence	behavior, workplace empowerment and commitment.	Demographics: Age: 39.6 G: 95.1% female Exp: 15.9 yrs ED Exp: 9.5 yrs		Conditions of Work Effectiveness Questionnaire: 18 items, 1-5 Likert	correlation	emotionally intelligent (EI): $m = 3.43$, $SD = 0.70$ (moderate).	Voluntary participants have potential for bias responses
commitment. Country: Canada			ES: 67% FT Ed: 75.1% diploma		scale; $\alpha = 0.87.$ Three-Component		Perception of EP: m = 18.36, $SD = 3.22$ (moderate).	Conclusions: EI LP/S support greater ED RN EP and in turn, greater OC. OC
Funding: none identified			care hospital ED RNs; FT and PT; <6 months in ED; 283		Model Employee Commitment Survey: 6 items,		OC: $m = 4.27$, SD = 1.30 (moderate).	has been shown to be a key retention factor.
Bias: none noted			eligible RNs invited Exclusion: RN no longer working in ED;		1-7 Likert scale; $\alpha = 0.79$.		EI LP/S has strong relationship to EP $(r=0.53, p < 10^{-10})$	Feasibility: LOE usable - EI LP/S is associated with TfL; NM developing their EI can benefit their
			Attrition: NR				0.05) and OC ($r=$ 0.50, $p < 0.01$) Demo not significantly related to perceived EI	staff by increasing EP and OC, which in turn can improve retention. This can be a low risk strategy. Leader buy- in may be a
							LP/S, EP or OC.	challenge.

Appendix **B**

Synthesis Table

Author:	Abualrub	Cowden	Cummings	Duffield	Moneke	Raup	Sawatzky	Van den Heede	Yeh-Ju Lin	Young- Ritchie
Year	2011	2011	2010	2010	2013	2008	2012	2011	2010	2009
Systematic Review (LOE: V)		Х	Х							
Descriptive Study (LOE: VI)	Х			Х	Х	Х	X	Х	Х	Х
Country	Saudi Arabia	Canada	Canada	Australia	USA	USA	Canada	Belgium	Taiwan	Canada
				Descr	iptive Infor	mation				
Sample size (people or articles)	308	23	53	2141	112	45	261	3186	112	206
% of RNs	100	NR	NR	74	100	100	100	NR	50	100
% ED Staff	21	NR	NR	NR	NR	100	100	NR	100	100
% of G is Female	56	NR	NR	NR	77	80	89	90	NR	95
Age:		NR	NR	NR					NR	
• Range	71% 20-29				41% 29-38					
• Mean						TfL=49 TaL=40	41	38		40
Education:		NR	NR	NR				NR	NR	
 Diploma 	52%						54%			75%
• BSN					57%	60%				
Years of experience:		NR	NR	NR					NR	
Position	49% 1-3					TfL=9.6 TaL=4.4				
• As nurse					35% < 4		16	15		16
% FT ES	NR	NR	NR	52	91	NR	37	NR	NR	67

Author:	Abualrub	Cowden	Cummings	Duffield	Moneke	Raup	Sawatzky	Van den Heede	Yeh-Ju Lin	Young- Ritchie
				Independen		Interventio				
Leadership	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Practice/Style										
 Specified 	Х	Х	Х		Х	Х		Х		Х
TfL as LP/S										
Organizational					Х					
Commitment										
Work Environment							Х	Х		
Job Satisfaction							Х			
Engagement							Х			
Burnout							Х			
Staffing								Х		
Education								Х		
			Dependent '	Variables/Ou	itcomes: ↑ =	= increased;	$\downarrow = decreased$	1		
Job Satisfaction	↑ Î		Î	↑ 	LS/P↑ OC↑		EG ↑ LP/S ↑		Task-focused LP/S ↑ Emp-focused LP/S ↑	
Intent to Stay	↑	1	Ť							
Intent to Leave				Ļ			EG↓ PT ES↑ BO↑	"Good" LP/S↓ "Poor" ST ↑ "Poor" WE ↑ Ed: No impact		
Organizational Commitment			1		LS/P↑					Ť
Health & Wellness			↑							
Work Environment			↑ (
Productivity			Ť						Task-focused LP/S ↑	
Satisfied w/ Nursing				↑ (WE ↓			
Turnover						Not Sig Trend ↓	• • • • • • • • • • • • • • • • • • •			
Patient Satisfaction						Not Sig				
Empowerment										↑