

Supplemental Digital Content. Comparison of NDNQI Hospitals that Do and Do Not Employ WOC Certified Nurses

Hospital Type	No WOC Certified Nurses			Employ WOC Certified Nurses			Total
	n	column %	row %	n	column %	row %	n
General	455	77.1%	59.2%	313	92.6%	40.8%	768
Pediatric	41	6.9%	78.8%	11	3.3%	21.2%	52
Rehabilitation	11	1.9%	91.7%	1	0.3%	8.3%	12
Psychiatric	14	2.4%	100.0%	0	0.0%	0.0%	14
Other	69	11.7%	84.1%	13	3.8%	15.9%	82
Total	590	100.0%		338	100.0%		928
Chi-Square	df	Value	P value				
	4	38.55	0.001				

*Hospitals employing WOC certified nurses more likely to be General

Magnet Status	No WOC Certified Nurses			Employ WOC Certified Nurses			Total
	n	column %	row %	n	column %	row %	n
Non-Magnet	478	81.0%	70.9%	196	58.0%	29.1%	674
Magnet Designated	112	19.0%	44.1%	142	46.0%	55.9%	254
Total	590	100.0%		338	100.0%		928
Chi-Square	df	Value	P value				
	1	57.32	0.001				

*Hospitals employing WOC certified nurses more likely to be Magnet Designated

Teaching Status	No WOC Certified Nurses			Employ WOC Certified Nurses			Total
	n	column %	row %	n	column %	row %	n
Academic Medical Center	46	7.8%	47.9%	50	14.8%	52.1%	96
Teaching	213	36.1%	63.0%	125	37.0%	37.0%	338
Non-Teaching	331	56.1%	67.0%	163	48.2%	33.0%	494
Total	590	100.0%		338	100.0%		928
Chi-Square	df	Value	P value				
	2	12.72	0.002				

*Hospitals employing WOC certified nurses more likely to be Academic Medical Centers

Metro Status	No WOC Certified Nurses			Employ WOC Certified Nurses			Total
	n	column %	row %	n	column %	row %	n
Metropolitan	497	84.2%	61.2%	315	93.2%	38.8%	812
Micropolitan	73	12.4%	78.5%	20	5.9%	21.5%	93
Rural	20	3.4%	87.0%	3	0.9%	13.0%	23
Total	590	100.0%		338	100.0%		928
Chi-Square	df	Value	P value				
	2	16.33	0.001				

*Hospitals employing WOC certified nurses more likely to be Metropolitan

Bed Size	No WOC Certified Nurses			Employ WOC Certified Nurses			Total
	n	column %	row %	n	column %	row %	n
< 100	225	38.1%	83.0%	46	13.6%	17.0%	271
100-199	183	31.0%	69.1%	82	24.3%	30.9%	265
200-299	97	16.4%	56.7%	74	21.9%	43.3%	171
300-399	48	8.1%	48.0%	52	15.4%	52.0%	100
400-499	21	3.6%	36.2%	37	10.9%	63.8%	58
>=500	16	2.7%	25.4%	47	13.9%	74.6%	63
Total	590	100.0%		338	100.0%		928
Chi-Square	df	Value	P value				
	5	120.07	0.001				

*Hospitals employing WOC certified nurses more likely to be larger

Case Mix Index	No WOC Certified Nurses			Employ WOC Certified Nurses			Total
	n	column %	row %	n	column %	row %	n
Low	157	26.6%	69.8%	68	20.1%	30.2%	225
Medium	252	42.7%	62.5%	151	44.7%	37.5%	403
High	64	10.8%	45.4%	77	22.8%	54.6%	141
Total	473	100.0%		296	100.0%		769
Chi-Square	df	Value	P value				
	2	22.15	0.001				

*Hospitals employing WOC nurses more likely to have High Case Mix Index

Total Number Certified Nurses**	No WOC Certified Nurses			Employ WOC Certified Nurses			Total
	n	col%	row%	n	col%	row%	n
0	12	2.0%	100.0%	0	0.0%	0.0%	12
1-10	129	21.9%	89.0%	16	4.7%	11.0%	145
11-50	260	44.1%	75.4%	85	25.1%	24.6%	345
51-100	101	17.1%	57.1%	76	22.5%	42.9%	177
>100	88	14.9%	35.3%	161	47.6%	64.7%	249
Total	590	100.0%		338	100.0%		928
Chi-Square	df	Value	P value				
	4	156.90	0.001				

*Hospitals employing WOC certified nurses likely to have at least 100 other certified nurses

**Specialty certified nurses other than WOC

Ownership	No WOC Certified Nurses			Employ WOC Certified Nurses			Total
	n	column %	row %	n	column %	row %	n
Not-for-Profit	467	79.2%	62.9%	276	81.7%	37.1%	743
Government - Federal	8	1.4%	32.0%	17	5.0%	68.0%	25
Government - Non Federal	41	6.9%	63.1%	24	7.1%	36.9%	65
For-Profit	74	12.5%	77.9%	21	6.2%	22.1%	95
Total	590	100.0%		338	100.0%		928
Chi-Square	df	Value	P value				
	3	19.35	0.001				

*Hospitals employing WOC certified nurses less likely to be For-Profit

Note: NDNQI = National Database of Nursing Quality Indicators; WOC = wound, ostomy, continence