Nurse Executive IT Educational Needs Questionnaire

1. Possesses adequate computer skills as defined by the ability to perform basic keyboarding; able to navigate Office and other basic applications; able to save, copy and print documents; and can search for information using the Internet:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**75.6% (170)**	18.7% (42)	4.4% (10)	1.3% (3)	225
Director/Associate Dean	**62.6% (134)**	21.5% (46)	4.7% (10)	11.2% (24)	214
Nurse Manager	**56.5% (130)**	29.1% (67)	13.9% (32)	0.4% (1)	230
Charge Nurse	32.4% (71)	29.7% (65)	**34.7% (76)**	3.2% (7)	219
Nurse Informaticist	**79.3% (172)**	6.5% (14)	1.4% (3)	12.9% (28)	217
				answered question	246
				skipped question	1

2. Can locate and interpret clinical data in the electronic medical/health record:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**40.0% (88)**	32.7% (72)	20.5% (45)	6.8% (15)	220
Director/Associate Dean	**36.3% (77)**	35.8% (76)	14.2% (30)	13.7% (29)	212
Nurse Manager	**55.7% (127)**	28.9% (66)	11.8% (27)	3.5% (8)	228
Charge Nurse	**59.1% (130)**	19.5% (43)	15.0% (33)	6.4% (14)	220
Nurse Informaticist	**71.5% (153)**	13.6% (29)	0.5% (1)	14.5% (31)	214
				answered question	244
				skipped question	3

3. Utilizes data available in information technology applications to develop ideas for improving patient care:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**47.7% (104)**	32.1% (70)	17.9% (39)	2.3% (5)	218
Director/Associate Dean	**36.0% (76)**	34.1% (72)	17.5% (37)	12.3% (26)	211
Nurse Manager	25.2% (57)	**40.7% (92)**	32.3% (73)	1.8% (4)	226
Charge Nurse	13.9% (30)	26.4% (57)	**53.7% (116)**	6.0% (13)	216
Nurse Informaticist	**53.6% (113)**	23.7% (50)	9.0% (19)	13.7% (29)	211
				answered question	240
				skipped question	7

4. Develops and implements policies and procedures related to nursing and clinical management systems:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**47.2% (101)**	37.4% (80)	13.1% (28)	2.3% (5)	214
Director/Associate Dean	**37.6% (79)**	36.2% (76)	14.8% (31)	11.4% (24)	210
Nurse Manager	25.4% (57)	**39.7% (89)**	33.5% (75)	1.3% (3)	224
Charge Nurse	10.8% (23)	32.1% (68)	**47.2% (100)**	9.9% (21)	212
Nurse Informaticist	**51.2% (106)**	25.6% (53)	8.7% (18)	14.5% (30)	207
				answered question	239
				skipped question	8

5. Maintains up-to-date knowledge on the relationship between advances in nursing practice and information technologies:

	Proficient	Adequate Knowledge	Needs Development	Not applicable	Response Count
Chief Nurse Executive/Dean	34.4% (75)	**39.0% (85)**	25.7% (56)	0.9% (2)	218
Director/Associate Dean	23.0% (48)	**36.4% (76)**	29.2% (61)	11.5% (24)	209
Nurse Manager	14.2% (32)	33.3% (75)	**52.0% (117)**	0.4% (1)	225
Charge Nurse	10.0% (21)	19.4% (41)	**65.9% (139)**	4.7% (10)	211
Nurse Informaticist	**52.7% (109)**	21.3% (44)	13.0% (27)	13.0% (27)	207
				answered question	**242**
				skipped question	**5**

6. Utilizes effective electronic communication with staff, colleagues, and professional organizations -- for example, E-mail, PDA, Blackberry, etc.:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**69.8% (148)**	24.5% (52)	5.2% (11)	0.5% (1)	212
Director/Associate Dean	**61.3% (125)**	21.6% (44)	6.4% (13)	10.8% (22)	204
Nurse Manager	**47.2% (103)**	34.4% (75)	17.0% (37)	1.4% (3)	218
Charge Nurse	21.6% (45)	33.2% (69)	**40.9% (85)**	4.3% (9)	208
Nurse Informaticist	**69.0% (140)**	15.8% (32)	1.5% (3)	13.8% (28)	203
				answered question	**233**
				skipped question	**14**

7. Focuses staff on technology benefits including patient safety goals, complete and accurate information, outcome measurement, and real-time multi-disciplinary access to patient care data:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**52.9% (111)**	29.0% (61)	17.1% (36)	1.0% (2)	210
Director/Associate Dean	**42.9% (88)**	26.3% (54)	19.0% (39)	11.7% (24)	205
Nurse Manager	31.2% (68)	**33.9% (74)**	**33.9% (74)**	0.9% (2)	218
Charge Nurse	16.8% (35)	23.6% (49)	**56.3% (117)**	3.4% (7)	208
Nurse Informaticist	**53.0% (105)**	22.2% (44)	10.6% (21)	14.1% (28)	198
				answered question	**232**
				skipped question	**15**

8. Understands and participates in infrastructure (e.g., hardware) decisions that support information technology systems:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	31.5% (64)	**43.3% (88)**	21.7% (44)	3.4% (7)	203
Director/Associate Dean	22.7% (45)	**37.9% (75)**	26.8% (53)	12.6% (25)	198
Nurse Manager	13.5% (28)	28.4% (59)	**52.4% (109)**	5.8% (12)	208
Charge Nurse	6.1% (12)	20.2% (40)	**60.6% (120)**	13.1% (26)	198
Nurse Informaticist	**50.8% (98)**	23.3% (45)	11.9% (23)	14.0% (27)	193
				answered question	**224**
				skipped question	**23**

9. Ensures that there are adequate procedures in place for planned and unplanned downtimes for patient care systems:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**43.8% (88)**	41.8% (84)	12.9% (26)	1.5% (3)	201
Director/Associate Dean	**37.4% (73)**	36.9% (72)	14.9% (29)	10.8% (21)	195
Nurse Manager	**39.8% (82)**	38.3% (79)	19.9% (41)	1.9% (4)	206
Charge Nurse	25.1% (50)	**38.7% (77)**	27.6% (55)	8.5% (17)	199
Nurse Informaticist	**59.6% (115)**	20.2% (39)	5.7% (11)	14.5% (28)	193
				answered question	223
				skipped question	24

10. Considers the parameters and functions a specific application/technology provides during all stages of an implementation (e.g., acquisition through to post-implementation evaluation):

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	28.3% (56)	**41.4% (82)**	28.3% (56)	2.0% (4)	198
Director/Associate Dean	19.9% (39)	**37.2% (73)**	31.6% (62)	11.2% (22)	196
Nurse Manager	13.7% (28)	35.6% (73)	**47.8% (98)**	2.9% (6)	205
Charge Nurse	7.5% (15)	20.1% (40)	**58.3% (116)**	14.1% (28)	199
Nurse Informaticist	**46.9% (91)**	27.8% (54)	10.3% (20)	14.9% (29)	194
				answered question	222
				skipped question	25

11. Aware of policy and accrediting agency requirements as it relates to information technologies:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**38.5% (77)**	34.5% (69)	26.5% (53)	0.5% (1)	200
Director/Associate Dean	28.1% (55)	**32.7% (64)**	28.6% (56)	10.7% (21)	196
Nurse Manager	15.3% (31)	34.0% (69)	**49.8% (101)**	1.0% (2)	203
Charge Nurse	9.1% (18)	21.2% (42)	**59.1% (117)**	10.6% (21)	198
Nurse Informaticist	**36.8% (71)**	33.7% (65)	15.0% (29)	14.5% (28)	193
				answered question	222
				skipped question	25

12. Works with organization on plan to provide adequate support staff during all stages of an implementation and upgrade (e.g., acquisition through to post-live and evaluation):

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**41.6% (84)**	36.1% (73)	18.3% (37)	4.0% (8)	202
Director/Associate Dean	**36.2% (71)**	32.1% (63)	17.9% (35)	13.8% (27)	196
Nurse Manager	28.4% (59)	**34.6% (72)**	33.2% (69)	3.8% (8)	208
Charge Nurse	14.3% (28)	28.1% (55)	**42.9% (84)**	14.8% (29)	196
Nurse Informaticist	**42.1% (80)**	33.2% (63)	7.9% (15)	16.8% (32)	190
				answered question	223
				skipped question	24

13. Knowledgeable about the relationship between design/implementation of information technology and nursing workflow:

	Proficient	Adequate Knowledge	Needs Development	Not applicable	Response Count
Chief Nurse Executive/Dean	25.8% (50)	**46.4% (90)**	26.3% (51)	1.5% (3)	194
Director/Associate Dean	20.1% (38)	**38.6% (73)**	30.2% (57)	11.1% (21)	189
Nurse Manager	15.0% (30)	37.5% (75)	**45.5% (91)**	2.0% (4)	200
Charge Nurse	7.3% (14)	30.9% (59)	**55.5% (106)**	6.3% (12)	191
Nurse Informaticist	**41.4% (77)**	30.6% (57)	14.0% (26)	14.0% (26)	186
				answered question	216
				skipped question	31
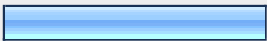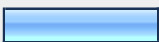
14. Utilizes data from the organization's Management Information System to measure outcomes:

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	**40.5% (79)**	35.9% (70)	23.1% (45)	0.5% (1)	195
Director/Associate Dean	31.4% (59)	**36.2% (68)**	21.8% (41)	10.6% (20)	188
Nurse Manager	20.5% (41)	33.5% (67)	**45.0% (90)**	1.0% (2)	200
Charge Nurse	7.3% (14)	20.3% (39)	**65.6% (126)**	6.8% (13)	192
Nurse Informaticist	31.7% (59)	**38.2% (71)**	14.5% (27)	15.6% (29)	186
				answered question	215
				skipped question	32

15. Provides resources for staff as it relates to innovation and adoption of information technology (e.g., providing cross-training of interested RNs, web-based courses, labs, etc.):

	Proficient	Adequate Knowledge	Needs Development	Not Applicable	Response Count
Chief Nurse Executive/Dean	30.3% (59)	**44.6% (87)**	22.1% (43)	3.1% (6)	195
Director/Associate Dean	25.3% (48)	**36.8% (70)**	25.8% (49)	12.1% (23)	190
Nurse Manager	19.5% (39)	38.0% (76)	**41.5% (83)**	1.0% (2)	200
Charge Nurse	11.1% (21)	22.1% (42)	**54.2% (103)**	12.6% (24)	190
Nurse Informaticist	**38.9% (72)**	31.4% (58)	13.0% (24)	16.8% (31)	185
				answered question	215
				skipped question	32

16. Please provide information regarding Magnet status recognition for your organization:
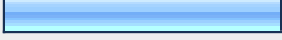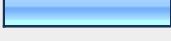
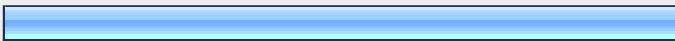|		Response Percent	Response Count
Have achieved Magnet status		24.5%	53
Currently pursuing Magnet status		24.1%	52
Contemplating Magnet exploration		**28.7%**	62
Not considering at this time		16.7%	36
Not applicable		6.0%	13
		answered question	216
		skipped question	31

17. Which professional development opportunities would you utilize to address the information technology knowledge/practice gap: each nursing leader role in your organization (please select all that apply):

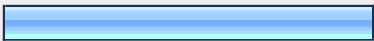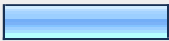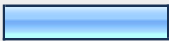|	Academic courses/programs	Self-directed/independent learning	Professional organization/conferences	Vendor-based offerings	Heal syst inter offeri
Chief Nurse Executive/Dean	35.5% (61)	73.3% (126)	77.9% (134)	58.7% (101)	**78.5 (13!**
Director/Associate Dean	39.1% (59)	75.5% (114)	**80.1% (121)**	60.9% (92)	74.2 (11:
Nurse Manager	44.9% (80)	72.5% (129)	68.0% (121)	60.7% (108)	**84.3 (15(**
Charge Nurse	37.3% (62)	68.7% (114)	49.4% (82)	55.4% (92)	**87.3 (14!**
Nurse Informaticist	73.6% (109)	79.7% (118)	**80.4% (119)**	68.9% (102)	75.0 (11
				Other (please spec	
				answered quest	
				skipped quest	

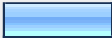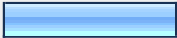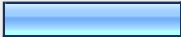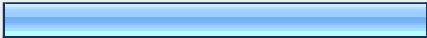**18. Please select the geographic location of your primary work site:**

		Response Percent	Response Count
North East		27.9%	55
South East		19.8%	39
Midwest		**30.5%**	60
South Central		3.6%	7
West		18.3%	36
Other (please specify)			10
answered question			**197**
skipped question			**50**

19. Please select the type of organization that you represent:

		Response Percent	Response Count
Hospital		74.1%	146
Corporate Health Care Delivery System		9.1%	18
Academic Institution		7.1%	14
Ambulatory Practice Setting		2.0%	4
Long Term Care Organization		2.0%	4
Professional Nursing Organization		0.0%	0
Other (please specify)		5.6%	11
		answered question	197
		skipped question	50

20. Please select the title that best matches your position with the organization:

		Response Percent	Response Count
Chief Nurse Executive/Dean		40.6%	80
Director/Associate Dean		21.8%	43
Nurse Manager		17.8%	35
Charge Nurse		2.0%	4
Nurse Informaticist		17.8%	35
Other (please specify)			12
		answered question	197
		skipped question	50

21. Please select the size of your organization (number of beds):

		Response Percent	Response Count
Less than 100		11.7%	23
101-200		18.8%	37
200-300		19.3%	38
300 or over		**46.7%**	92
Not applicable		3.6%	7
	Other (please specify)		2
	answered question		**197**
	skipped question		**50**

22. What is the level of academic preparation the majority of the nurses hold at the each management level:

	Diploma or Associate Degree	Baccalaureate	Baccalaureate with Specialty Certificate	Masters	Doctorate	Response Count
Chief Nurse Executive/Dean	0.5% (1)	2.0% (4)	2.0% (4)	**82.7% (163)**	12.7% (25)	197
Director/Associate Dean	0.5% (1)	12.2% (24)	8.1% (16)	**74.6% (147)**	4.6% (9)	197
Nurse Manager	5.1% (10)	**46.7% (92)**	22.3% (44)	25.9% (51)	0.0% (0)	197
Charge Nurse	**45.2% (89)**	42.1% (83)	10.7% (21)	1.5% (3)	0.5% (1)	197
Nurse Informaticist	10.7% (21)	**38.1% (75)**	14.7% (29)	34.0% (67)	2.5% (5)	197
				Other (please specify)		9
				answered question		**197**
				skipped question		**50**