



nurses and information technology

This project was conducted by the Australian Nursing Federation with funding from the Australian Government Department of Health and Ageing. The research was conducted by a project team from the University of Southern Queensland.

ADDITIONAL DATA

Q19 Indicate how much you agree to the statements...

Table 19.1 I avoid using computers whenever I can

	n	%	Valid %
Strongly agree	105	2.9	3.0
Agree	313	8.7	8.8
Neither agree nor disagree	557	15.5	15.7
Disagree	1312	36.4	37.0
Strongly disagree	1260	35.0	35.5
Total	3547	98.4	100.0
Missing	56	1.6	
Total	3603	100.0	

Table 19.2 Learning about computers essential for nurses

	n	%	Valid %
Strongly agree	1739	48.3	48.9
Agree	1568	43.5	44.1
Neither agree nor disagree	140	3.9	3.9
Disagree	50	1.4	1.4
Strongly disagree	61	1.7	1.7
Total	3558	98.8	100.0
Missing	45	1.2	
Total	3603	100.0	

Table 19.3 IT reduces error in handling of patient/client data

	n	%	Valid %
Strongly agree	248	6.9	7.0
Agree	850	23.6	24.1
Neither agree nor disagree	1601	44.4	45.4
Disagree	642	17.8	18.2
Strongly disagree	186	5.2	5.3
Total	3527	97.9	100.0
Missing	76	2.1	
Total	3603	100.0	

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Table 19.4 IT reduces duplication of data entry and storage

	n	%	Valid %
Strongly agree	291	8.1	8.3
Agree	831	23.1	23.6
Neither agree nor disagree	1082	30.0	30.7
Disagree	987	27.4	28.0
Strongly disagree	335	9.3	9.5
Total	3526	97.9	100.0
Missing	77	2.1	
Total	3603	100.0	

Table 19.5 IT in workplace makes my job easier

	n	%	Valid %
Strongly agree	392	10.9	11.1
Agree	1113	30.9	31.4
Neither agree nor disagree	932	25.9	26.3
Disagree	806	22.4	22.8
Strongly disagree	296	8.2	8.4
Total	3539	98.2	100.0
Missing	64	1.8	
Total	3603	100.0	

Table 19.6 IT has improved access to information

	n	%	Valid %
Strongly agree	1076	29.9	30.3
Agree	1731	48.0	48.7
Neither agree nor disagree	424	11.8	11.9
Disagree	233	6.5	6.6
Strongly disagree	87	2.4	2.5
Total	3551	98.6	100.0
Missing	52	1.4	
Total	3603	100.0	

Table 19.7 Mean values for avoid using computers by years worked

Years	Mean	SE	95% CI	
			Lower	Upper
0-5	4.065	.053	3.961	4.169
6-10	4.133	.054	4.027	4.239
11-15	3.962	.052	3.860	4.063
16-20	3.948	.043	3.865	4.031
21-25	3.945	.042	3.863	4.027
26-30	3.807	.045	3.719	3.895
31+	3.740	.048	3.646	3.834

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Table 19.8. Avoid using computers by Australian Standard Geographical Classification

		ASGC			
		MCC	IR	OR	RVR
Strongly agree	Count	26	34	35	30
	%% within ASGC	3.1	3.4	3.5	3.4
Agree	Count	57	107	102	67
	%% within ASGC	6.7	10.6	10.1	7.7
Neither agree nor disagree	Count	150	165	180	123
	%% within ASGC	17.7	16.4	17.8	14.1
Disagree	Count	314	358	360	335
	%% within ASGC	37.0	35.6	35.6	38.4
Strongly disagree	Count	302	342	333	317
	%% within ASGC	35.6	34.0	33.0	36.4
Total	Count	849	1006	1010	872
	%% within ASGC	100.0	100.0	100.0	100.0

Table 19.9 Mean values for avoid using computers by Australian Standard Geographical Classification

ASGC	Mean	SE	95% CI	
			Lower	Upper
MCC	3.994	.038	3.919	4.068
IR	3.895	.035	3.827	3.963
OR	3.872	.035	3.803	3.940
RVR	3.986	.037	3.914	4.058

Table 19.10 Learning about computers is essential in nursing by Australian Standard Geographical Classification

		ASGC			
		MCC	IR	OR	RVR
Strongly agree	Count	405	469	480	449
	% within ASGC	47.5	46.6	47.6	51.1
Agree	Count	379	448	449	364
	% within ASGC	44.4	44.5	44.5	41.5
Neither agree nor disagree	Count	40	49	51	34
	% within ASGC	4.7	4.9	5.1	3.9
Disagree	Count	15	23	17	10
	% within ASGC	1.8	2.3	1.7	1.1
Strongly disagree	Count	14	18	12	21
	% within ASGC	1.6	1.8	1.2	2.4
Total	Count	853	1007	1009	878
	% within ASGC	100.0	100.0	100.0	100.0

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Table 19.11 IT reduces error in data by Australian Standard Geographical Classification

		ASGC			
		MCC	IR	OR	RVR
Strongly agree	Count	59	70	69	58
	% within ASGC	7.0	7.0	7.0	6.7
Agree	Count	228	236	233	174
	% within ASGC	27.0	23.7	23.7	20.0
Neither agree nor disagree	Count	377	452	467	403
	% within ASGC	44.6	45.4	47.4	46.3
Disagree	Count	147	184	172	176
	% within ASGC	17.4	18.5	17.5	20.2
Strongly disagree	Count	34	54	44	59
	% within ASGC	4.0	5.4	4.5	6.8
Total	Count	845	996	985	870
	% within ASGC	100.0	100.0	100.0	100.0

Table 19.12 IT reduces duplication of data by Australian Standard Geographical Classification

		ASGC			
		MCC	IR	OR	RVR
Strongly agree	Count	63	87	85	62
	% within ASGC	7.4	8.8	8.6	7.2
Agree	Count	217	230	215	195
	% within ASGC	25.6	23.2	21.7	22.5
Neither agree nor disagree	Count	266	302	345	250
	% within ASGC	31.4	30.5	34.9	28.8
Disagree	Count	220	274	267	263
	% within ASGC	26.0	27.6	27.0	30.3
Strongly disagree	Count	81	98	77	97
	% within ASGC	9.6	9.9	7.8	11.2
Total	Count	847	991	989	867
	% within ASGC	100.0	100.0	100.0	100.0

Table 19.13 IT makes job easier by Australian Standard Geographical Classification

		ASGC			
		MCC	IR	OR	RVR
Strongly agree	Count	102	100	110	88
	% within ASGC	12.0	10.1	11.1	10.1
Agree	Count	283	292	282	275
	% within ASGC	33.3	29.3	28.5	31.5
Neither agree nor disagree	Count	211	269	303	237
	% within ASGC	24.9	27.0	30.6	27.1
Disagree	Count	187	250	218	190
	% within ASGC	22.0	25.1	22.0	21.8
Strongly disagree	Count	66	84	78	83
	% within ASGC	7.8	8.4	7.9	9.5
Total	Count	849	995	991	873
	% within ASGC	100.0	100.0	100.0	100.0

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Table 19.14 IT has improved access to information by Australian Standard Geographical Classification

		ASGC			
		MCC	IR	OR	RVR
Strongly agree	Count	267	298	286	250
	% within ASGC	31.4	29.9	28.7	28.6
Agree	Count	408	469	474	432
	% within ASGC	47.9	47.0	47.5	49.4
Neither agree nor disagree	Count	103	131	139	114
	% within ASGC	12.1	13.1	13.9	13.0
Disagree	Count	55	73	72	53
	% within ASGC	6.5	7.3	7.2	6.1
Strongly disagree	Count	18	26	26	26
	% within ASGC	2.1	2.6	2.6	3.0
Total	Count	851	997	997	875
	% within ASGC	100.0	100.0	100.0	100.0

Table 19.15 Avoid using computers by level of job

		Level of job						
		AIN	EN	RN1	RN2	RN3	RN4	RN5
Strongly agree	Count	5	28	48	21	8	4	9
	% within level	7.6	5.4	3.8	2.5	2.0	1.6	2.7
Agree	Count	9	64	119	70	26	12	26
	% within level	13.6	12.3	9.4	8.5	6.6	4.9	7.8
Neutral	Count	15	114	233	131	44	23	42
	% within level	22.7	21.9	18.4	15.9	11.2	9.3	12.5
Disagree	Count	18	175	489	311	142	85	109
	% within level	27.3	33.6	38.6	37.7	36.2	34.6	32.5
Strongly disagree	Count	19	140	377	292	172	122	149
	% within level	28.8	26.9	29.8	35.4	43.9	49.6	44.5
Total	Count	66	521	1266	825	392	246	335

Table 19.16 Learning about computers is essential by level of job

		Level of job						
		AIN	EN	RN1	RN2	RN3	RN4	RN5
Strongly agree	Count	28	185	549	414	226	154	205
	% within level	42.4	35.6	43.4	49.9	57.1	62.9	60.7
Agree	Count	25	273	611	349	153	77	114
	% within level	37.9	52.6	48.3	42.1	38.6	31.4	33.7
Neutral	Count	10	38	63	34	8	3	11
	% within level	15.2	7.3	5.0	4.1	2.0	1.2	3.3
Disagree	Count	2	15	27	13	3	3	2
	% within level	3.0	2.9	2.1	1.6	.8	1.2	.6
Strongly disagree	Count	1	8	16	19	6	8	6
	% within level	1.5	1.5	1.3	2.3	1.5	3.3	1.8
Total	Count	66	519	1266	829	396	245	338

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Table 19.17 IT reduces error in data by level of job

		Level of job						
		AIN	EN	RN1	RN2	RN3	RN4	RN5
Strongly agree	Count	9	31	56	48	44	26	35
	% within level	15.8	6.2	4.5	5.8	11.2	10.7	10.4
Agree	Count	9	117	286	199	102	59	83
	% within level	15.8	23.3	22.8	24.1	26.0	24.3	24.7
Neutral	Count	29	238	589	361	180	102	148
	% within level	50.9	47.3	47.0	43.8	45.8	42.0	44.0
Disagree	Count	10	96	253	167	49	38	58
	% within level	17.5	19.1	20.2	20.2	12.5	15.6	17.3
Strongly disagree	Count	0	21	69	50	18	18	12
	% within level	.0	4.2	5.5	6.1	4.6	7.4	3.6
Total	Count	57	503	1253	825	393	243	336

Table 19.18 IT reduces duplication of data by level of job

		Level of job						
		AIN	EN	RN1	RN2	RN3	RN4	RN5
Strongly agree	Count	6	36	69	57	48	28	46
	% within level	10.5	7.2	5.5	6.9	12.2	11.6	13.7
Agree	Count	14	115	239	192	117	63	105
	% within level	24.6	23.0	19.1	23.2	29.8	26.0	31.3
Neutral	Count	25	220	426	234	91	51	86
	% within level	43.9	43.9	34.0	28.3	23.2	21.1	25.6
Disagree	Count	11	100	377	248	108	70	81
	% within level	19.3	20.0	30.1	30.0	27.5	28.9	24.1
Strongly disagree	Count	1	30	142	95	29	30	18
	% within level	1.8	6.0	11.3	11.5	7.4	12.4	5.4
Total	Count	57	501	1253	826	393	242	336

Table 19.19 IT makes job easier by level of job

		Level of job						
		AIN	EN	RN1	RN2	RN3	RN4	RN5
Strongly agree	Count	8	38	79	86	69	35	67
	% within level	14.0	7.5	6.3	10.4	17.5	14.4	19.8
Agree	Count	8	125	368	242	155	97	120
	% within level	14.0	24.7	29.4	29.2	39.3	39.9	35.5
Neutral	Count	29	186	370	221	77	43	78
	% within level	50.9	36.7	29.5	26.7	19.5	17.7	23.1
Disagree	Count	11	120	321	194	64	43	59
	% within level	19.3	23.7	25.6	23.4	16.2	17.7	17.5
Strongly disagree	Count	1	38	115	85	29	25	14
	% within level	1.8	7.5	9.2	10.3	7.4	10.3	4.1
Total	Count	57	507	1253	828	394	243	338

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Table 19.20 IT has improved access by level of job

		Level of job						
		AIN	EN	RN1	RN2	RN3	RN4	RN5
Strongly agree	Count	11	104	316	247	145	110	142
	% within level	19.0	20.4	25.1	29.8	36.6	45.3	42.0
Agree	Count	19	235	635	412	198	99	138
	% within level	32.8	46.2	50.4	49.7	50.0	40.7	40.8
Neutral	Count	21	109	176	91	30	19	32
	% within level	36.2	21.4	14.0	11.0	7.6	7.8	9.5
Disagree	Count	5	45	96	56	15	10	20
	% within level	8.6	8.8	7.6	6.8	3.8	4.1	5.9
Strongly disagree	Count	2	16	36	23	8	5	6
	% within level	3.4	3.1	2.9	2.8	2.0	2.1	1.8
Total	Count	58	509	1259	829	396	243	338

Table 19.21 Mean values for learning about computers is essential by Australian Standard Geographical Classification

ASGC	Mean	SE	95% CI	
			Lower	Upper
MCC	1.618	.028	1.564	1.672
IR	1.664	.025	1.614	1.714
OR	1.626	.025	1.577	1.676
RVR	1.602	.027	1.550	1.654

Table 19.22 Mean values for reduces patient data error by Australian Standard Geographical Classification

ASGC	Mean	SE	95% CI	
			Lower	Upper
MCC	2.835	.034	2.768	2.901
IR	2.910	.031	2.848	2.971
OR	2.873	.031	2.812	2.935
RVR	2.998	.033	2.933	3.062

Table 19.23 Mean values for reduces duplication of data by Australian Standard Geographical Classification

ASGC	Mean	SE	95% CI	
			Lower	Upper
MCC	3.043	.039	2.966	3.120
IR	3.062	.036	2.991	3.134
OR	3.028	.036	2.957	3.100
RVR	3.150	.038	3.075	3.225

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Table 19.24 Mean values for made job easier by Australian Standard Geographical Classification

ASGC	Mean	SE	95% CI	
			Lower	Upper
MCC	2.779	.041	2.699	2.859
IR	2.914	.037	2.841	2.987
OR	2.861	.038	2.788	2.935
RVR	2.873	.039	2.796	2.950

Table 19.25 Mean values for improved access by Australian Standard Geographical Classification

ASGC	Mean	SE	95% CI	
			Lower	Upper
MCC	1.956	.034	1.889	2.022
IR	2.035	.031	1.974	2.096
OR	2.048	.031	1.987	2.110
RVR	2.037	.033	1.972	2.101