

Table 2

Extent of Utilization of Electronic Health Record (EHR) Functionalities at Governmental Hospitals in Eastern Province, Saudi Arabia

EHR Utilization	Hospital A (n = 67)		Hospital B (n = 78)		Hospital C (n = 40)		Total (n = 185)		Chi-Square	P-Value
	No.	%	No.	%	No.	%	No.	%		
Chart review										
Obtain and review lab results	63	94	68	87.2	29	72.5	160	86.5	16.99	.002*
Obtain and review radiology results	58	86.6	37	47.4	26	65	121	65.4	24.98	.000*
Obtain and review other test results	49	73.1	36	46.2	29	72.5	114	61.6	13.64	.001*
Create and review scanned documents	39	58.2	44	56.4	25	62.5	108	58.4	.405	.817
Review progress notes	37	55.2	27	34.6	31	77.5	95	51.4	22.15	.000*
Monitor current and past medications and medication refills	57	85.1	63	80.8	31	77.5	151	81.6	3.25	.517
Decision support										
Receive drug interaction alerts when writing prescriptions	43	64.2	43	55.1	20	50	106	57.3	4.44	.349
Receive drug allergy alerts when writing prescriptions	40	59.7	24	30.8	20	50	84	45.4	14.97	.005*
Highlight test results that are out of normal range	49	73.1	34	43.6	27	67.5	110	59.5	14.42	.001*
Clinical guidelines	29	43.3	39	50	27	67.5	95	51.4	5.97	.05*
Order entry										
Enter lab orders	56	83.6	38	48.7	22	55	116	62.7	23.13	.000*
Enter radiology orders	57	85.1	23	29.5	20	50	100	54.1	45.17	.000*
Enter pharmacy orders	47	70.1	26	33.3	19	47.5	92	49.7	22.35	.000*

Documentation										
Create and maintain patient-related medical problem list	43	64.2	28	35.9	30	75	101	54.6	20.2	.000*
Create and maintain common medication list	44	65.7	32	41	29	72.5	105	56.8	16.37	.003*
Identify patient-specific allergies	42	62.7	28	35.9	27	67.5	97	52.4	15.01	.001*
Document patient discharge instructions	49	73.1	38	48.7	29	72.5	116	62.7	13.74	.008*
Communication tools with other providers										
E-mail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	No statistics
Fax	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	No statistics
Mobile phone short message service (SMS) system	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	No statistics
Additional tools										
Managing patient referrals	22	32.8	25	32.1	28	70	75	40.5	19.6	.001*
Allowing patients to use the Internet to access parts of their health records	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	No statistics
International Classification of Diseases (ICD) codes	29	43.3	19	24.4	15	37.5	63	34.1	10.2	.037*
Generating health statistics	26	38.8	0	0	3	7.5	29	15.7	170.3	.000*
Data backup and disaster recovery	6	9	0	0	3	7.5	9	4.9	175.3	.000*

* $p \leq .05$