

Multimedia Appendix 1

2020 Healthcare IT Report Scoring Model

HIT domain	Maximum attainable scores	
	<i>Adoption</i> “HIT availability” (summed)	<i>User-perceived value</i> “HIT value” (averaged)
Admission	30	10
Occupancy control	10	10
Anamnesis	10	10
Emergency room triage	10	10
Surgery preparation	30	10
Scheduling	10	10
Room planning	10	10
Resource planning	10	10
Discharge	35	10
Nursing report	7	10
Digital dictation	7	10
Medication plan	7	10
Communication w outpatient sector	7	10
Patient portal	7	10
Clinical documentation	77	10
Surgery docu.	7	10
Medical basis docu.	7	10
Physician letter	7	10
Wound docu.	7	10
Medical report	7	10
Anesthesia docu.	7	10
Hygiene docu.	7	10
Nursing docu.	7	10
Special nursing docu.	7	10
Therapy docu.	7	10
Intensive care docu.	7	10
Order entry and reporting	42	10
Laboratory data	7	10
Radiology incl. images	7	10
Radiology excl. images	7	10
Other exams	7	10
Electrophysiological exams	7	10
Councils	7	10
Decision support	42	10
Access to clinical databases	7	10
Alarms	7	10
Clinical reminders	7	10
Medical guidelines	7	10
Medication support	7	10

Decision support for diagnostics and therapy	7	10
Patient safety	49	10
Laboratory assay ID	7	10
CIRS	7	10
Patient ID	7	10
Checklists	7	10
Medication order	7	10
Electronic medical administration record	7	10
Medication tracking	7	10
Supply functions	40	10
Apothecary	10	10
Food orders	10	10
Material management	10	10
Material management incl standards	10	10
Interface functions	50	10
Duty planning	10	10
ADT patient planning	10	10
Electronic archive	10	10
Outpatient patient management	10	10
Quality management	10	10
Telemedicine & -monitoring	20	10
Telemedicine	10	10
Telemonitoring	10	10
Total digital maturity	415	10