

**Table S1** The proportions of function accesses by user role

MHAV and EHR				
	Appointment	Laboratory	Medication	Messaging
Technician	11.7%	16.5%	2.9%	68.9%
Staff	7.5%	10.1%	2.0%	80.5%
Student	6.5%	15.2%	3.5%	74.8%
Nurse	9.2%	17.1%	2.5%	71.3%
Physician	5.7%	9.8%	1.7%	82.8%
Medical assistant	7.6%	14.1%	2.3%	76.1%
Research	9.2%	15.0%	2.6%	73.3%
Administrators	9.1%	12.4%	1.8%	76.8%
Other	8.9%	14.7%	2.8%	73.7%
Overall	8.7%	14.9%	2.5%	73.9%
MHAV only				
	Appointment	Laboratory	Medication	Messaging
Technician	11.1%	17.9%	3.8%	67.2%
Staff	10.7%	17.1%	5.6%	66.6%
Student	9.5%	22.3%	4.5%	63.8%
Nurse	10.3%	25.3%	3.3%	61.1%
Physician	8.3%	19.5%	3.2%	69.0%
Assistant	8.8%	25.6%	3.2%	62.5%
Research	9.8%	25.6%	4.4%	60.1%
Administrators	9.5%	15.2%	3.4%	71.9%
Other	11.0%	22.3%	3.8%	62.9%
Overall	10.8%	22.4%	3.8%	63.0%

Abbreviations: EHR, electronic health record; GLM, generalized linear model; MHAV, My Health at Vanderbilt.

Note: The GLM analysis indicated a significant difference in proportions of employees by role, as well as the number of accesses in both employee groups.

**Table S2** The proportions of logins per access type, by user role, for functions only available in the EHR

MHAV and EHR	Documents	Messages	Laboratories	Medications	Images	Orders	Encounters	Other
Technician	45.0%	7.6%	6.9%	2.7%	1.4%	30.3%	1.7%	4.5%
Staff	62.1%	14.1%	8.3%	3.1%	1.1%	1.2%	1.6%	8.6%
Student	53.9%	6.3%	19.5%	3.5%	1.2%	10.2%	1.8%	3.5%
Nurse	46.0%	8.4%	10.7%	2.8%	1.3%	25.3%	1.5%	4.1%
Physician	60.6%	9.5%	18.1%	3.0%	1.6%	0.4%	2.0%	4.9%
Medical assistant	43.2%	8.1%	7.5%	2.2%	0.9%	32.4%	1.2%	4.6%
Research	60.5%	9.5%	11.9%	3.4%	1.2%	6.0%	2.1%	5.5%
Administrator	49.1%	8.2%	6.2%	2.7%	1.4%	26.2%	1.5%	4.8%
Other	60.3%	11.1%	11.2%	3.6%	1.4%	4.1%	2.08%	6.3%
Overall	53.5%	9.7%	10.9%	3.1%	1.3%	14.4%	1.8%	5.3%
EHR only	Documents	Messages	Laboratories	Medications	Images	Orders	Encounters	Other
Technician	46.3%	5.1%	8.1%	3.2%	1.8%	29.8%	2.0%	3.8%
Staff	56.5%	11.8%	8.6%	4.1%	1.2%	9.4%	4.4%	4.0%
Student	42.5%	2.6%	18.2%	5.5%	1.0%	26.4%	0.8%	3.1%
Nurse	59.7%	8.2%	14.3%	3.6%	1.8%	4.7%	3.6%	4.2%
Physician	61.9%	8.2%	17.9%	4.1%	1.2%	0.8%	3.2%	2.8%
Medical assistant	42.2%	7.6%	7.8%	1.7%	0.7%	34.1%	3.5%	2.3%
Research	47.5%	5.0%	11.0%	2.8%	0.7%	28.0%	2.1%	3.0%
Administrator	48.1%	6.1%	7.7%	4.4%	1.4%	29.5%	0.4%	2.4%
Other	61.4%	8.7%	11.7%	4.1%	1.7%	3.9%	3.8%	4.6%
Overall	57.8%	8.4%	12.3%	3.8%	1.5%	8.7%	3.5%	4.0%

Abbreviations: EHR, electronic health record; GLM, generalized linear model; MHAV, My Health at Vanderbilt.

Note: The GLM analysis indicated a significant difference in proportions of employees by role, as well as the number of accesses in both employee groups.