

**Table S1. Association of factors with time spent in the electronic health record (EHR) system outside scheduled hours.**

<b>Factor</b>	<b>Coefficient</b>	<b>P-value<sup>a</sup></b>
<b>Timing Metrics</b>		
Time in In-Basket per day	+1.49	<0.001
Time in Clinical Review per appointment	-0.75	0.16
Time in Orders per appointment	+2.39	0.01
Time in Notes per appointment	+1.82	<0.001
<b>Practice Characteristics</b>		
Clinical Volume (appointments per day)	+0.51	<0.001
Average age of patients seen	-0.09	0.29
Average number of problems on the problem list of patients seen	-0.47	0.11
User's months of experience with EHR vendor	+0.01	0.26
Percent orders with team contributions	-0.02	0.33
<b>Personalization Features/EHR Vendor Efficiency Tools</b>		
Number of User-Level Preference List entries	-0.02	0.47
Chart Search	+2.90	0.03
Note Speed Buttons	+1.48	0.01
Notewriter Macros created	-0.14	0.97
Number of note templates created	+0.01	0.67
<b>Mobile Client Functionality</b>		
In-Basket messages	-1.39	0.22
Medication orders	-13.40	<0.001
Notes	+0.18	0.95
<b>Documentation Features</b>		
Progress note length <sup>b</sup>	+0.003	<0.001
Documentation length <sup>c</sup>	-0.002	0.18

<sup>a</sup>P-values derived from a linear mixed effects model with ophthalmologists and institutions designated as nested random effects. Statistical significance defined as  $p < 0.05$ .

<sup>b</sup>Progress note length defined by the average number of characters per progress note written by the provider during the reporting period.

<sup>c</sup>Documentation length defined by the average number of characters per note written by the provider during the reporting period.