

Supplementary Online Content

Chang CY, Obermeyer Z. Association of clinical characteristics with variation in emergency physician preferences for patients. *JAMA Netw Open*. 2020;3(1): e1919607. doi:10.1001/jamanetworkopen.2019.19607

eFigure 1. Emergency Department (ED) Clinical Interface That Displays Patient Age (33), Gender (Male), Emergency Severity Index (ESI: 3), and Chief Complaint (Headache)

eFigure 2. Preference Variation for Female Patients (A) Across Physicians and (B) Across Shift Order Groups

eFigure 3. Association Between Physician Quintiles by Age Preference and (A) Comorbidities, (B) Emergency Severity Index (ESI)

eTable 1. Preference Variation for Top 20 Chief Complaint Groups by Frequency Across All Physicians (n = 62)

eTable 2. Preference Variation for Observable Patient Characteristics by Physician Gender

eTable 3. Preference Variation for Observable Patient Characteristics Across Physician Groups by Years Post-Residency (0-4, 5-9, or Over 10 Years Post-Residency)

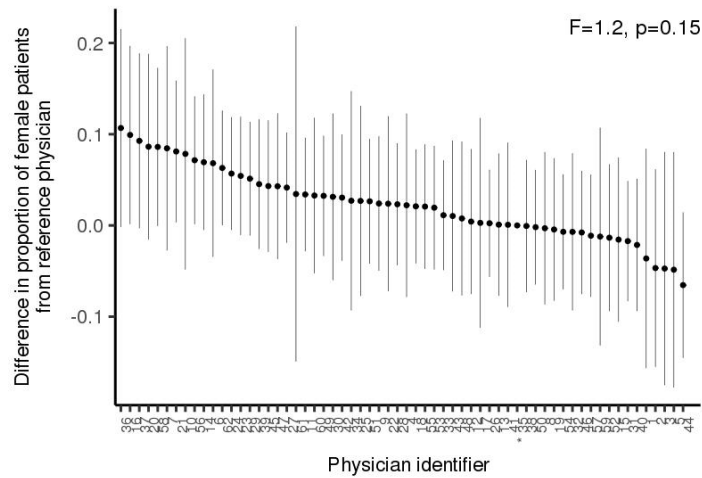
This supplementary material has been provided by the authors to give readers additional information about their work.



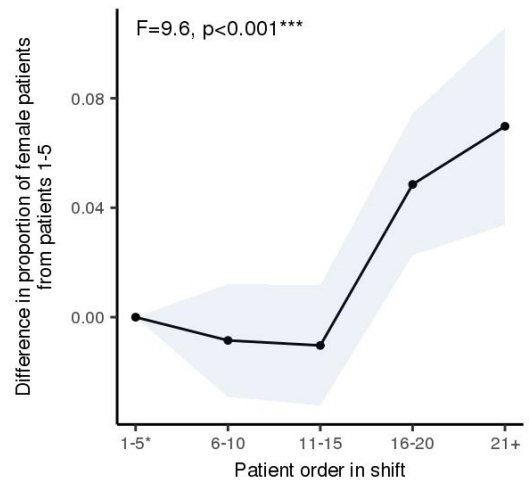
eFigure 1. Emergency Department (ED) Clinical Interface That Displays Patient Age (33), Gender (Male), Emergency Severity Index (ESI: 3), and Chief Complaint (Headache)

The interface also displays length of stay (5 hours 22 minutes since ED bed assignment, 6 hours 33 minutes since ED arrival) and care team (Attending: attending physician, D: resident physician or physician assistant, N: nurse, E: ED technician, P: primary care physician).

(a) Variation across physicians

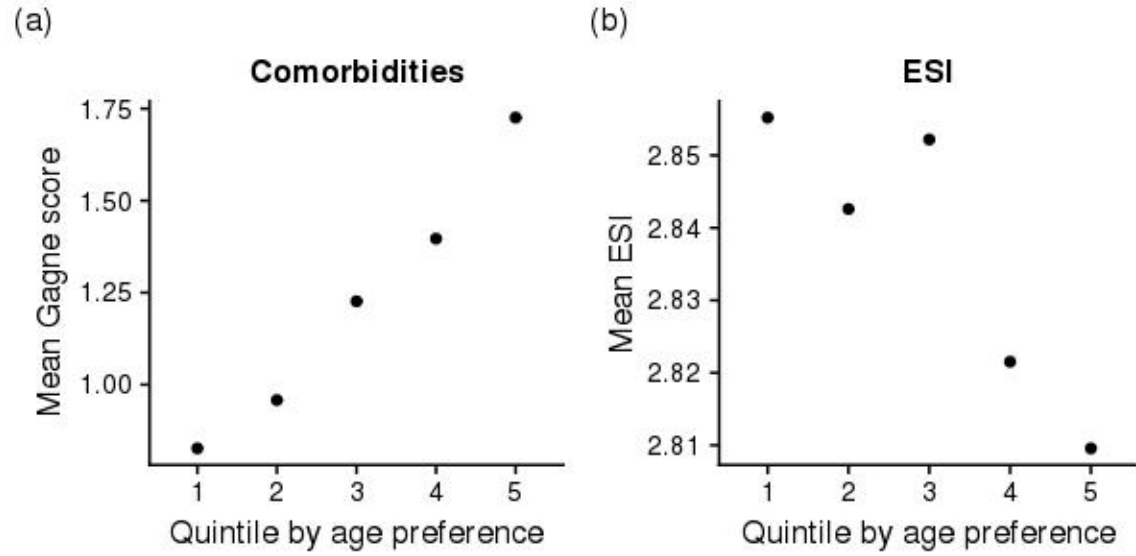


(b) Variation across shift order groups



eFigure 2. Preference Variation for Female Patients (A) Across Physicians and (B) Across Shift Order Groups

Physician identifiers were assigned based on physician rank for fixed effect for age. All differences are relative to the reference physician or reference group (denoted with *).



eFigure 3. Association Between Physician Quintiles by Age Preference and (A) Comorbidities, (B) Emergency Severity Index (ESI)

eTable 1. Preference Variation for Top 20 Chief Complaint Groups by Frequency Across All Physicians (n = 62)

Top 20 Chief complaint	F-statistic	F test p-value
1 Abdominal pain	1.07	0.33
2 Distal extremity complaint	2.02	<0.001
3 Chest pain	1.33	0.04
4 Shortness of breath	1.03	0.41
5 Nausea/vomiting	1.14	0.21
6 Back pain	0.83	0.83
7 Headache	1.09	0.29
8 Leg complaint	1.03	0.41
9 Wounds/lacerations	1.30	0.06
10 Fall	1.24	0.1
11 Motor vehicle injuries	1.34	0.04
12 Fever/chills	1.05	0.36
13 Bleeding	1.34	0.04
14 Ear/nose/throat complaint	1.46	0.01
15 Dizziness/Lightheadedness	1.41	0.02
16 Syncope	0.99	0.51
17 Weakness/failure to thrive	1.03	0.41
18 Rashes/lumps/bites	1.40	0.02
19 Vaginal bleeding	1.36	0.03
20 Cough	0.92	0.66

eTable 2. Preference Variation for Observable Patient Characteristics by Physician Gender

Patient characteristics	F-statistic by physician gender	F-test p-value by physician gender
Age	0.46	0.50
Gender	3.76	0.05
Emergency Severity Index (ESI)	0.51	0.47
Combined comorbidity score	0.22	0.64

eTable 3. Preference Variation for Observable Patient Characteristics Across Physician Groups by Years Post-Residency (0-4, 5-9, or Over 10 Years Post-Residency)

Patient characteristics	F-statistic by years post-residency	F-test p-value by years post-residency
Age	1.93	0.15
Gender	0.24	0.79
Emergency Severity Index (ESI)	1.3	0.27
Combined comorbidity score	0.13	0.87