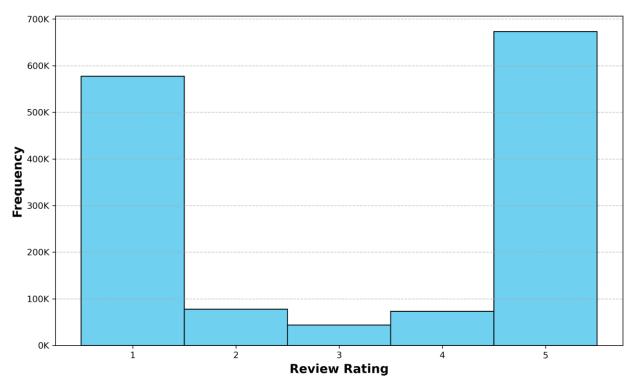
Supplementary Online Content

- Sehgal NKR, Agarwal AK, Southwick L, et al. Disparities by race and urbanicity in online health care facility reviews. *JAMA Netw Open.* 2024;7(11):e2446890. doi:10.1001/jamanetworkopen.2024.46890
- **eFigure 1.** Distribution of Platform Health Facility Ratings, 2014-2023
- eTable 1. Median Number of Reviews by Facility Type
- **eFigure 2.** Difference in Mean Platform Health Facility Positive Rating Pre/Post March 2020
- **eFigure 3.** Interrupted Time Series (ITS) Analysis of Positive Reviews Pre- and Post-COVID-19
- **eTable 2.** Interrupted Time Series (ITS) Analysis of Positive Reviews Pre- and Post-COVID-19: Coefficients and 95% Confidence Intervals for Changes in Review Positivity by Facility Type, Racial/Ethnic Composition, and Urban/Rural Settings
- **eTable 3.** Multivariate Relationship Between Platform Health Facility Rating Positivity and Facility Characteristics and Time
- eTable 4. Topic Coherence and Uniqueness Scores by Model
- eTable 5. Themes Associated With Platform Health Facility Reviews
- **eFigure 4.** Change in Theme Prevalence Over Time Among Positive Reviews

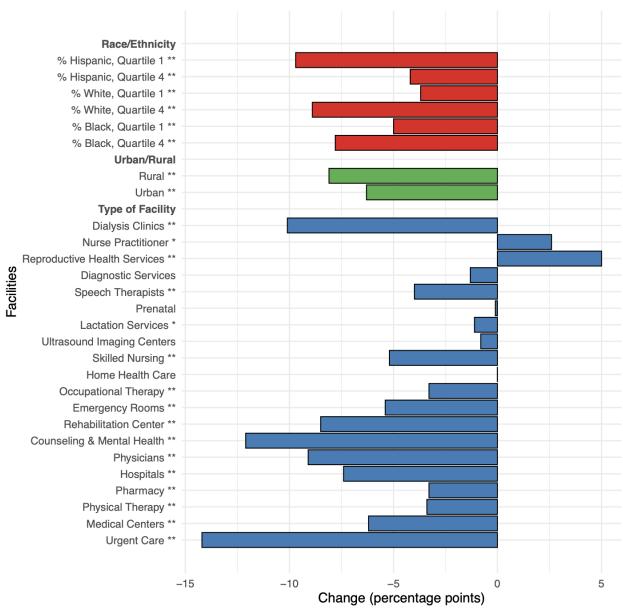
This supplementary material has been provided by the authors to give readers additional information about their work.



eFigure 1. Distribution of Platform Health Facility Ratings, 2014-2023

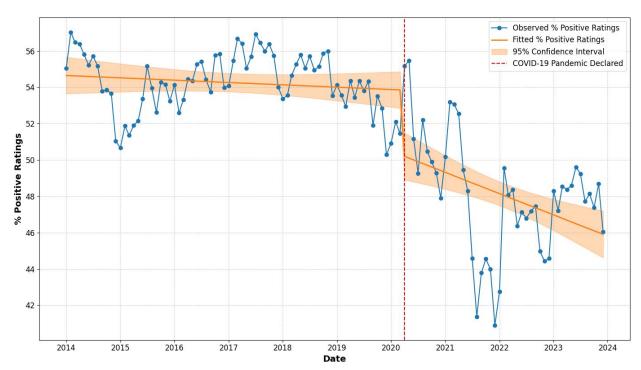
Facility Type	Median (IQR) Number of Reviews
Urgent Care	66 (116)
Medical Centers	55 (113)
Physical Therapy	21 (45)
Pharmacy	28 (48)
Hospitals	93 (180)
Physicians	12 (45)
Counseling & Mental Health	10 (26)
Rehabilitation Center	17 (33)
Emergency Rooms	110 (195)
Occupational Therapy	20 (39)
Home Health Care	11 (39)
Skilled Nursing	20 (33)
Ultrasound Imaging Centers	73 (177)
Lactation Services	39 (72)
Prenatal	41 (85)
Speech Therapists	13 (24)
Diagnostic Services	45 (115)
Reproductive Health Services	65 (127)
Nurse Practitioner	18 (56)
Dialysis Clinics	2 (5)

eTable 1. Median Number of Reviews by Facility Type



eFigure 2. Difference in Mean Platform Health Facility Positive Rating Pre/Post March 2020

Bars marked with * indicate P < 0.05, and ** indicate P < 0.001



eFigure 3. Interrupted Time Series (ITS) Analysis of Positive Reviews Pre- and Post-COVID-19

Group	Post-Covid Level Change (95% CI)	Post-Covid Trend Change (95% CI)
	0.030	-0.001**
Overall	(-0.022, 0.081)	(-0.001, -0.000)
Facility Type		
Urgent Care	-0.144* (-0.264, -0.023)	0.000 (-0.004, 0.004)
Medical Centers	-0.013 (-0.085, 0.058)	-0.001 (-0.003, 0.002)
Physical Therapy	0.105*** (0.060, 0.149)	-0.004*** (-0.006, -0.003)
Pharmacy	0.115* (0.013, 0.216)	-0.004* (-0.008, -0.001)
Hospitals	-0.029 (-0.091, 0.033)	-0.000 (-0.002, 0.002)
Physicians	-0.047 (-0.138, 0.044)	-0.001 (-0.004, 0.002)
Counseling & Mental Health	0.012 (-0.049, 0.073)	-0.002 (-0.004, 0.000)
Rehabilitation Center	-0.015 Rehabilitation Center (-0.082, 0.053) (-0.0	
Emergency Rooms	-0.074 (-0.188, 0.039)	0.000 (-0.004, 0.004)
Occupational Therapy	0.020 (-0.077, 0.117)	-0.003 (-0.006, 0.000)
Home Health Care	0.276*** (0.163, 0.389)	-0.011*** (-0.015, -0.007)
Skilled Nursing	-0.132 (-0.274, 0.010)	0.002 (-0.003, 0.007)
Ultrasound Imaging Centers	0.256*** (0.164, 0.348)	-0.009*** (-0.012, -0.006)
Lactation Services	0.089** (0.037, 0.141)	-0.003** (-0.005, -0.001)
Prenatal	-0.011 (-0.076, 0.054)	0.000 (-0.002, 0.002)
Speech Therapists	0.081 (-0.019, 0.180)	-0.004* (-0.007, -0.000)
Diagnostic Services	0.117 (-0.026, 0.260)	-0.005* (-0.010, -0.000)
Reproductive Health Services	-0.217** (-0.352, -0.081)	0.007** (0.002, 0.012)
Nurse Practitioner	0.336*** (0.160, 0.511)	-0.012*** (-0.018, -0.006)
Dialysis Clinics	-0.002 (-0.329, 0.325)	0.000 (-0.011, 0.011)
Urban/Rural		

	Rural	-0.096 (-0.205, 0.014)	0.002 (-0.002, 0.005)
	Urban	0.042 (-0.032, 0.117)	-0.003* (-0.006, -0.001)
% Black			
	Quartile 4	0.009 (-0.066, 0.084)	-0.002 (-0.005, 0.000)
	Quartile 1	0.065 (-0.009, 0.139)	-0.003** (-0.006, -0.001)
% White			
	Quartile 4	0.008 (-0.074, 0.089)	-0.002 (-0.005, 0.000)
	Quartile 1	0.043 (-0.024, 0.111)	-0.003* (-0.005, -0.000)
% Hispanic			
	Quartile 4	0.040 (-0.037, 0.117)	-0.003* (-0.006, -0.000)
	Quartile 1	-0.034 (-0.119, 0.050)	-0.001 (-0.004, 0.002)

eTable 2. Interrupted Time Series (ITS) Analysis of Positive Reviews Pre- and Post-COVID-19: Coefficients and 95% Confidence Intervals for Changes in Review Positivity by Facility Type, Racial/Ethnic Composition, and Urban/Rural Settings.

	Oddo Potio (05%
	Odds Ratio (95% confidence
Characteristic	interval)
Post-COVID	0.73 (0.66, 0.81)
Facility Type	
Urgent Care	0.82 (0.81, 0.83)
Medical Centers	0.55 (0.55, 0.56)
Physical Therapy	2.75 (2.71, 2.79)
Pharmacy	0.44 (0.43, 0.44)
Hospitals	0.44 (0.43, 0.44)
Physicians	0.65 (0.64, 0.66)
Counseling & Mental Health	1.15 (1.13, 1.17)
Rehabilitation Center	0.81 (0.8, 0.83)
Emergency Rooms	1.05 (1.03, 1.07)
Occupational Therapy	0.55 (0.53, 0.56)
Home Health Care	0.86 (0.84, 0.88)
Skilled Nursing	0.57 (0.55, 0.58)
Ultrasound Imaging Centers	1.87 (1.81, 1.92)
Lactation Services	6.52 (6.21, 6.84)
Prenatal	2.54 (2.45, 2.64)
Speech Therapists	1.79 (1.72, 1.85)
Diagnostic Services	0.84 (0.82, 0.87)
Reproductive Health Services	1.96 (1.89, 2.03)
Nurse Practitioner	1.87 (1.77, 1.97)
Dialysis Clinics	0.73 (0.66, 0.81)
Urban/Rural	
Rural	0.95 (0.93, 0.97)
Urban	
% Black	
Quartile 4	0.58 (0.57, 0.59)

Quartile 2-3	0.83 (0.82, 0.84)
Quartile 1	-
% White	
Quartile 4	0.75 (0.74, 0.76)
Quartile 2-3	0.93 (0.93, 0.94)
Quartile 1	
% Hispanic	
Quartile 4	1.05 (1.03, 1.06)
Quartile 2-3	1.15 (1.13, 1.16)
Quartile 1	

eTable 3. Multivariate Relationship between Platform Health Facility Rating Positivity and Facility Characteristics and Time. Note: Each facility type is treated as a separate binary indicator variable as a facility can belong to multiple categories (e.g., Hospital and Emergency Room).

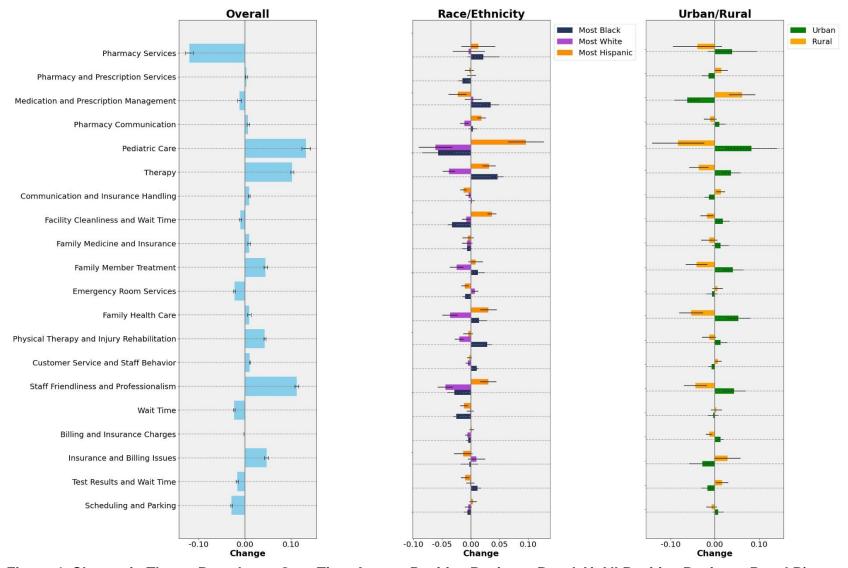
Model	Number of Topics	Uniqueness	C _{UMass}	Cv	Cuci	С _{NРМІ}
LDA	200	0.63	-3.96	0.62	1.10	0.11
LDA	500	0.52	-5.09	0.58	0.88	0.10
LDA	1000	0.45	-6.06	0.56	0.69	0.09
BERTopic	2000	0.84	-5.61	0.46	-0.08	0.05

eTable 4. Topic Coherence and Uniqueness Scores by Model

Theme	Top 10 Words
Pharmacy	
Pharmacy Services	clinic, pharmacy, years, ready, prescription, line, lady, pick, prescriptions, name
Pharmacy and Prescription Services	pharmacy, cvs, service, customer, store, prescription, pharmacist, prescriptions, call, ready
Medication and Prescription Management	medication, facility, prescription, nursing, meds, body, refill, exercises, call, rehab
Pharmacy Communication	stars, give, years, call, phone, star, pharmacy, minutes, cvs, hold
Services	
Pediatric Care	visit, kids, child, first, children, questions, store, cvs, treatment, explained
Therapy	life, our, us, thank, therapy, baby, pharmacy, health, physical, therapist
Communication and Insurance Handling	call, phone, called, insurance, review, office, medical, questions, answer, calls
Facility Cleanliness and Wait Time	nice, store, room, it's, cvs, clean, really, wait, front, always
Family Medicine and Insurance	family, therapy, facility, physical, him, mom, room, office, er, insurance
Family Member Treatment	son, him, surgery, our, us, mom, number, old, name, information
Emergency Room Services	er, room, waiting, emergency, hours, blood, nurses, nurse, him, test
Family Health Care	our, us, him, daughter, husband, baby, mom, family, call, mother
Physical Therapy and Injury Rehabilitation	therapy, physical, pt, therapist, surgery, knee, exercises, him, therapists, injury
Communication	
Customer Service and Staff Behavior	front, desk, rude, service, customer, him, ever, worst, unprofessional, room
Staff Friendliness and Professionalism	recommend, urgent, front, nice, always, highly, helpful, desk, friendly, thank
Logistics	
Wait Time	minutes, wait, room, waiting, hour, hours, waited, er, than, 30

Billing and Insurance Charges	insurance, pay, bill, money, test , paid, billing, charge, charged, covid
Insurance and Billing Issues	insurance, billing, office, times, i've, bill, always, company, call, both
Test Results and Wait Time	him, i've, wait, ever, it's, test, results, office, else, waiting
Scheduling and Parking	store, appointments, parking, scheduled, appt, schedule, surgery, results, cvs, minutes

eTable 5. Themes Associated with Platform Health Facility Reviews



eFigure 4. Change in Theme Prevalence Over Time Among Positive Reviews. Panel A) All Positive Reviews. Panel B) Race/Ethnicity Quartile 4 vs Quartile 1. Panel C) Urban vs Rural