

Supplementary Online Content

Barbieri JS, Shin DB, Wang S, Margolis DJ, Takeshita J. Association of race/ethnicity and sex with differences in health care use and treatment for acne. *JAMA Dermatol*. Published online February 5, 2020. doi:10.1001/jamadermatol.2019.4818

eTable. Prescribing Patterns Between Patients Seen by a Dermatologist at Least Once and Those Never Having Seen a Dermatologist

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

eTable. Prescribing Patterns Between Patients Seen by a Dermatologist at Least Once and Those Never Having Seen a Dermatologist

	Topical Retinoid, OR (95% CI), adj		Topical Antibiotic, OR (95% CI), adj		Oral Antibiotic, OR (95% CI), adj	
	Seen Dermatologist	Never Seen Dermatologist	Seen Dermatologist	Never Seen Dermatologist	Seen Dermatologist	Never Seen Dermatologist
Race/ethnicity						
Non-Hispanic White (67.9)	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]
Non-Hispanic Black (8.0)	1.39 (1.18-1.63)	1.12 (0.99-1.28)	1.52 (1.27-1.82)	1.21 (1.04-1.41)	0.90 (0.76-1.05)	0.74 (0.66-0.83)
Non-Hispanic Asian (2.9)	0.85 (0.66-1.10)	1.26 (1.03-1.54)	1.28 (0.96-1.72)	1.54 (1.24-1.92)	0.88 (0.68-1.14)	0.75 (0.62-0.91)
Hispanic (5.5)	0.95 (0.76-1.18)	0.95 (0.81-1.10)	1.06 (0.81-1.39)	1.05 (0.88-1.25)	1.44 (1.17-1.77)	0.82 (0.72-0.93)
Other (15.8)	0.84 (0.74-0.95)	0.84 (0.75-0.93)	0.95 (0.82-1.10)	0.79 (0.69-0.90)	0.85 (0.75-0.96)	0.66 (0.60-0.72)
Age at Diagnosis						
Sex						
Female	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]
Male	0.78 (0.71-0.85)	0.97 (0.90-1.04)	1.08 (0.97-1.21)	0.86 (0.79-0.94)	1.22 (1.12-1.34)	1.09 (1.02-1.15)
Region						
Midwest	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]
Northeast	0.89 (0.78-1.01)	0.91 (0.80-1.03)	0.96 (0.83-1.12)	0.80 (0.68-0.93)	0.86 (0.76-0.98)	0.64 (0.57-0.71)
South	0.96 (0.85-1.09)	1.04 (0.94-1.14)	0.55 (0.46-0.66)	0.65 (0.58-0.73)	0.71 (0.63-0.81)	1.00 (0.93-1.08)
West	0.81 (0.68-0.96)	1.23 (1.08-1.40)	0.88 (0.72-1.07)	1.14 (0.99-1.33)	0.84 (0.71-0.99)	0.97 (0.87-1.09)
Insurance Type						
Commercial	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]
Medicaid	1.05 (0.82-1.35)	0.82 (0.72-0.93)	1.97 (1.52-2.54)	1.22 (1.05-1.41)	0.80 (0.62-1.02)	0.93 (0.83-1.04)
Medicare	1.15 (0.86-1.55)	1.16 (0.83-1.63)	1.16 (0.82-1.63)	0.95 (0.65-1.37)	0.87 (0.66-1.14)	0.79 (0.62-1.00)
Uninsured	0.40 (0.25-0.62)	0.33 (0.24-0.45)	0.60 (0.34-1.06)	0.27 (0.18-0.42)	0.74 (0.49-1.12)	0.45 (0.36-0.55)
Mixed: Insured	0.90 (0.79-1.01)	1.04 (0.95-1.14)	0.98 (0.84-1.13)	1.09 (0.97-1.21)	0.82 (0.72-0.92)	1.02 (0.95-1.11)
Mixed: Uninsured	0.71 (0.49-1.05)	0.82 (0.62-1.08)	1.13 (0.72-1.76)	0.95 (0.68-1.31)	0.79 (0.54-1.16)	0.89 (0.71-1.11)
Unknown	0.57 (0.51-0.65)	0.78 (0.70-0.88)	0.76 (0.65-0.88)	0.79 (0.69-0.91)	0.66 (0.59-0.75)	0.79 (0.71-0.87)

Other	1.37 (0.99-1.89)	1.90 (1.55-2.32)	1.01 (0.67-1.50)	1.06 (0.81-1.39)	1.16 (0.85-1.58)	1.16 (0.95-1.41)
Average Household Income (\$1000)	1.00 (1.00-1.00)	1.00 (1.00-1.01)	1.02 (1.01-1.02)	1.01 (1.00-1.01)	1.00 (1.00-1.01)	1.00 (0.99-1.00)
Percentage College Education	0.99 (0.98-0.99)	1.00 (0.99-1.01)	0.98 (0.97-0.99)	1.00 (0.99-1.01)	0.98 (0.98-0.99)	0.99 (0.99-1.00)
	Spiro lactone*, OR (95% CI), adj		Oral Contraceptive*, OR (95% CI), adj		Isotretinoin, OR (95% CI), adj	
	Seen Dermatologist	Never Seen Dermatologist	Seen Dermatologist	Never Seen Dermatologist	Seen Dermatologist	Never Seen Dermatologist
Race/ethnicity						
Non-Hispanic White (67.9)	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]
Non-Hispanic Black (8.0)	0.60 (0.37-0.96)	0.77 (0.48-1.22)	0.84 (0.61-1.17)	0.55 (0.45-0.68)	0.35 (0.18-0.70)	0.42 (0.19-0.97)
Non-Hispanic Asian (2.9)	0.85 (0.37-1.97)	0.36 (0.13-0.99)	0.90 (0.53-1.51)	0.67 (0.49-0.92)	0.95 (0.46-1.96)	0.69 (0.25-1.90)
Hispanic (5.5)	1.11 (0.63-1.96)	0.35 (0.15-0.80)	0.89 (0.56-1.42)	0.55 (0.43-0.71)	0.80 (0.43-1.50)	0.54 (0.24-1.23)
Other (15.8)	0.67 (0.44-1.01)	1.13 (0.80-1.57)	0.78 (0.59-1.01)	0.62 (0.53-0.73)	0.82 (0.57-1.17)	0.48 (0.27-0.85)
Age at Diagnosis						
Sex						
Female					[Reference]	[Reference]
Male					2.85 (2.23-3.66)	1.94 (1.43-2.64)
Region						
Midwest	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]
Northeast	0.60 (0.39-0.93)	0.59 (0.34-1.01)	0.74 (0.57-0.96)	0.76 (0.63-0.92)	0.91 (0.62-1.33)	0.62 (0.33-1.15)
South	1.33 (1.00-1.77)	1.02 (0.77-1.36)	0.43 (0.32-0.59)	0.93 (0.81-1.06)	1.22 (0.89-1.69)	0.95 (0.63-1.41)
West	0.74 (0.45-1.23)	1.57 (1.09-2.26)	0.76 (0.54-1.08)	1.03 (0.86-1.24)	0.77 (0.46-1.28)	1.01 (0.55-1.86)
Insurance Type						
Commercial	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]	[Reference]
Medicaid	0.48 (0.19-1.20)	0.60 (0.34-1.04)	0.71 (0.43-1.17)	0.66 (0.54-0.81)	1.09 (0.59-2.02)	0.11 (0.03-0.43)
Medicare	0.30 (0.14-0.65)	0.35 (0.17-0.71)	0.11 (0.02-0.81)	0.66 (0.38-1.16)	0.49 (0.12-2.11)	0.47 (0.06-3.50)
Uninsured	0.18 (0.02-1.30)	0.07 (0.01-0.54)	0.73 (0.35-1.55)	0.35 (0.23-0.53)	0.47 (0.11-1.94)	0.32 (0.08-1.31)
Mixed: Insured	0.58 (0.41-0.82)	0.69 (0.50-0.94)	0.73 (0.57-0.95)	0.98 (0.86-1.12)	0.55 (0.38-0.81)	1.00 (0.70-1.43)
Mixed: Uninsured	0.36 (0.09-1.50)	0.81 (0.33-2.00)	0.50 (0.20-1.27)	0.84 (0.56-1.26)	0.35 (0.09-1.46)	0.26 (0.04-1.87)
Unknown	0.37 (0.24-0.57)	0.63 (0.43-0.94)	0.68 (0.52-0.87)	0.83 (0.70-0.98)	0.47 (0.32-0.69)	0.48 (0.26-0.86)
Other	0.24 (0.06-0.97)	1.28 (0.69-2.40)	1.20 (0.65-2.21)	1.35 (1.01-1.81)	0.71 (0.31-1.64)	0.37 (0.09-1.50)

Average Household Income (\$1000)	0.96 (0.94-0.97)	0.98 (0.97-1.00)	0.99 (0.99-1.00)	1.00 (0.99-1.01)	0.98 (0.97-0.99)	1.00 (0.98-1.02)
Percentage College Education	1.02 (1.00-1.04)	1.01 (0.99-1.02)	1.00 (0.99-1.02)	1.01 (1.00-1.01)	1.00 (0.98-1.02)	1.01 (0.98-1.03)

*Among women only