

Supplemental Online Content

Kikuchi JY, Banaag A, Koehlmoos TP. Antibiotic prescribing patterns and guideline concordance for uncomplicated urinary tract infections among adult women in the US military health system. *JAMA Netw Open*. 2022;5(8):e2225730. doi:10.1001/jamanetworkopen.2022.25730

eTable 1. List of IDSA Concordant and Non-Concordant Antibiotics

eTable 2. Provider Specialty by Care Setting

eTable 3. All Logistic Regression Results for Probability of IDSA Concordant Treatment

eTable 4. All Regression Results for the Probability of Over Prescribing Antibiotics

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

eTable 1. List of IDSA concordant and non-concordant antibiotics

IDSA Concordant Antibiotics
Nitrofurantoin
Furadantin
Macrobid
Macrodantin
Trimethoprim
Bactrim
Sulfatrim
Fosfomycin
Monurol
Pivmecillinam
IDSA Non-concordant Antibiotics
Ofloxacin
Floxin
Ciprofloxacin
Cipro
Gemifloxacin
Factive
Levofloxacin
Levaquin
Amoxicillin
Augmentin
Cefdinir
Omnicef
Cefaclor
Ceclor
Raniclor
Cefpodoxime
Vantin
Cefadroxil
Duricef
Cephalexin
Daxbia
Keflex
Amoxil
Moxatag
Trimox
Ampicillin
Ampi
Omnipen
Penglobe
Principen
Ertapenem

Invanz
Ceftriaxone
Gentamicin
Tobramycin

eTable 2. Provider specialty by care setting

Provider Specialty	Total (n=46,793)	Direct Care (n=26,580)	Private Sector Care (n=20,213)
	n (row %)		
Provider, unknown specialty	12102	9084 (75.06)	3018 (24.94)
Family Medicine	8657	3551 (41.02)	5106 (58.98)
Emergency Medicine	8019	5036 (62.80)	2983 (37.20)
Other	8193	1352 (16.50)	6664 (83.50)
Primary Care	6750	6198 (91.82)	552 (8.18)
Internal Medicine	1479	395 (26.71)	1084 (73.29)
OBGYN	1333	828 (62.12)	505 (37.88)
Urology	148	70 (47.30)	107 (52.70)
Surgery	112	28 (25.00)	120 (75.00)

eTable 3. All logistic regression results for probability of IDSA concordant treatment

	Unadjusted OR (95% CI)	Adjusted CCA OR (95% CI) (n=30,902)	Adjusted RWE OR (95% CI) (n=30,902)
Age Group			
18 to 24	0.98 (0.89 - 1.08)	0.98 (0.88 - 1.10)	0.89 (0.88-0.91)*
25 to 34 (reference)	1	1	1
35 to 44	0.89 (0.80 - 0.99)*	0.89 (0.80 - 1.00)*	0.75 (0.74-0.76)*
45 to 50	0.88 (0.77 - 1.01)	0.88 (0.77 - 1.02)	0.91 (0.88 - 0.93)*
Race			
American Indian/Alaska Native	0.79 (0.53 - 1.16)	0.80 (0.54 - 1.18)	0.92 (0.88 - 0.96)*
Asian/Pacific Islander	1.16 (0.96 - 1.39)	1.12 (0.93 - 1.34)	1.26 (1.23 - 1.28)*
Black	1.00 (0.90 - 1.11)	0.99 (0.89 - 1.10)	1.04 (1.03 - 1.05)*
Other	0.98 (0.88 - 1.09)	0.94 (0.84 - 1.05)	0.94 (0.93 - 0.96)*
White (reference)	1	1	1
Beneficiary Status			
Active Duty	1.14 (1.04 - 1.24)*	1.05 (0.95 - 1.16)	1.07 (1.04 - 1.11)*
Dependents (reference)	1	1	1
Other	0.95 (0.51 - 1.78)	0.83 (0.44 - 1.55)	0.66 (0.53 - 0.82)*
Retiree	0.87 (0.72 - 1.06)	0.94 (0.77 - 1.15)	0.94 (0.90 - 0.98)*
Rank			
Other	1.39 (0.56 - 3.45)	1.18 (0.47 - 2.93)	1.20 (0.70 - 2.04)
Junior Enlisted (reference)	1	1	1
Senior Enlisted	0.97 (0.89 - 1.07)	1.11 (0.98 - 1.25)	1.12 (1.10 - 1.13)*
Junior Officer	1.04 (0.90 - 1.21)	1.17 (0.99 - 1.38)	1.01 (0.99 - 1.03)
Senior Officer	1.12 (0.91 - 1.38)	1.28 (1.02 - 1.61)*	1.14 (1.10 - 1.18)*
Warrant Officer	1.04 (0.80 - 1.35)	1.21 (0.92 - 1.60)	2.33 (2.20 - 2.47)*
Provider Type			
Physician (reference)	1	1	1
Other	0.92 (0.84 - 1.01)	0.87 (0.70 - 1.09)	0.94 (0.91 - 0.96)*
PA/NP	1.24 (1.13 - 1.36)*	1.10 (0.93 - 1.30)	0.97 (0.96 - 0.99)
Provider Specialty			
OBGYN (reference)	1	1	1
Emergency Medicine	1.48 (1.19 - 1.84)*	1.60 (1.27-2.02)*	1.36 (1.32 - 1.39)*
Family Medicine	1.59 (1.27 - 1.98)*	1.84 (1.46-2.33)*	1.81 (1.76 - 1.87)*
Internal Medicine	1.55 (1.13 - 2.12)*	1.94 (1.40-2.68)*	2.87 (2.73 - 3.03)*
Other	1.26 (1.02-1.57)*	1.78 (1.35-2.35)*	1.55 (1.50 - 1.60)*
Primary Care	2.02 (1.62 - 2.53)*	1.82 (1.45-2.29)*	1.54 (1.51 - 1.58)*

Provider, unknown specialty	1.74 (1.41 - 2.15)*	1.70 (1.34-2.15)*	1.60 (1.56 - 1.64)*
Surgery	1.02 (0.49 - 2.11)	1.19 (0.57-2.47)	1.51 (1.36 - 1.67)*
Urology	0.60 (0.35 - 1.03)	0.79 (0.45-1.36)	0.40 (0.38 - 0.43)*
Care Setting			
Direct Care (reference)	1	1	1
Private Sector	0.65 (0.60 - 0.70)*	0.66 (0.60 - 0.73)*	0.63 (0.62 - 0.64)*

CCA Complete Care Analysis

RWEE Reweighted Estimating Equations

OR Odds Ratio

CI Confidence Interval

eTable 4. All regression results for the probability of over prescribing antibiotics

	Unadjusted OR (95% CI)	Adjusted CCA OR (95% CI) (n=2,763)	Adjusted RWEE OR (95% CI) (n=2,763)
Age Group			
18 to 24	0.94 (0.78 - 1.15)	1.00 (0.80 - 1.26)	0.92 (0.89 - 0.95)*
25 to 34 (ref)	1	1	1
35 to 44	1.24 (1.00 - 1.54)*	1.23 (0.98 - 1.54)	0.65 (0.63 - 0.67)*
45 to 50	1.35 (1.03 - 1.78)*	1.27 (0.94 - 1.71)	1.05 (0.97 - 1.13)
Race			
American Indian/Alaska Native	0.76 (0.36 - 1.61)	0.73 (0.33 - 1.58)	0.73 (0.66 - 0.80)*
Asian/Pacific Islander	0.72 (0.50 - 1.03)	0.66 (0.45 - 0.96)*	0.77 (0.73 - 0.81)*
Black	0.79 (0.64 - 0.97)*	0.72 (0.58 - 0.89)*	0.74 (0.72 - 0.76)*
Other	0.91 (0.73 - 1.14)	0.88 (0.70 - 1.11)	1.07 (1.03 - 1.12)*
White (ref)	1	1	1
Beneficiary Status			
Active Duty	0.86 (0.73 - 1.02)	0.96 (0.78 - 1.19)	0.80 (0.74 - 0.86)*
Dependents (ref)	1	1	1
Other	2.19 (0.47 - 10.18)	2.30 (0.48 - 11.09)	1.98 (0.99 - 3.95)
Retiree	1.45 (0.96 - 2.19)	1.55 (1.00 - 2.40)*	1.84 (1.68 - 2.02)*
Rank			
Junior Enlisted (ref)	1	1	1
Senior Enlisted	1.27 (1.06 - 1.52)*	1.20 (0.94 - 1.54)	1.19 (1.15 - 1.23)*
Junior Officer	1.48 (1.09 - 2.02)*	1.45 (1.02 - 2.06)*	1.44 (1.38 - 1.51)*
Senior Officer	1.26 (0.83 - 1.91)	1.01 (0.63 - 1.61)	1.36 (1.27 - 1.45)*
Warrant Officer	1.35 (0.79 - 2.31)	1.21 (0.68 - 2.18)	4.93 (3.99 - 6.09)*
Other	0.40 (0.07 - 2.43)	0.36 (0.06 - 2.22)	0.28 (0.13 - 0.57)*
Provider Type			
Physician (ref)	1	1	1
PA/NP	1.23 (1.01 - 1.49)*	1.65 (1.15 - 2.38)*	1.62 (1.55 - 1.70)*
Other	0.63 (0.52 - 0.76)*	0.73 (0.47 - 1.16)	0.94 (0.89 - 0.99)*
Provider Specialty			
OBGYN (ref)	1	1	1
Emergency Medicine	1.82 (1.20 - 2.77)*	2.26 (1.44-3.55)*	3.78 (3.55 - 4.01)*
Family Medicine	1.93 (1.26 - 2.97)*	2.26 (1.42-3.58)*	3.50 (3.28 - 3.74)*
Internal Medicine	1.50 (0.80 - 2.83)	1.90 (0.98-3.70)*	0.94 (0.82 - 1.07)
Other	1.04 (0.68-1.57)	1.95 (1.13-3.36)*	2.75 (2.56 - 2.95)*
Primary Care	1.54 (1.00 - 2.37)	1.22 (0.77-1.93)	2.57 (2.42 - 2.72)*
Provider, unknown specialty	1.60 (1.07 - 2.40)*	1.59 (0.99-2.55)	1.99 (1.87 - 2.11)*

Surgery	2.63 (0.52 - 13.20)	2.94 (0.57-15.10)	0.57 (0.44 - 0.73)*
Urology	0.40 (0.15 - 1.09)	0.47 (0.17-1.30)	4.22 (3.67 - 4.85)*
Care Setting			
Direct Care (ref)	1	1	1
Private Sector	0.76 (0.65 - 0.89)*	0.72 (0.59 - 0.88)*	0.54 (0.53 - 0.56)*