

**Supplemental materials for:**

Leszinsky I, Candon M. Primary Care Appointments for Medicaid Beneficiaries With Advanced Practitioners. *Ann Fam Med.* 2019;17(4):363-366.

# **Primary Care Appointments for Medicaid Beneficiaries with Advanced Practitioners**

Online Appendix

**Supplemental Table 1: Number of Calls Made to Primary Care Offices by State and Year**

	2012/2013	2014	2016	All Years
AR	115	127	142	384
GA	298	196	252	746
IA	240	185	260	685
IL	254	166	230	650
MA	314	129	183	626
MT	72	88	79	239
NJ	278	183	283	744
OR	101	76	130	307
PA	232	159	220	611
TX	255	171	233	659
All States	2,159	1,480	2,012	5,651

**Supplemental Table 2. Proportion of Primary Care Appointments Scheduled with Advanced Practitioners by State and Year**

	2012/2013	2014	2016	Number of Calls
AR	5.2%	12.6%*	16.2%	384
GA	8.4%	11.2%	9.9%	746
IA	11.7%	14.6%	20.0%	685
IL	2.8%	7.2%*	9.1%	650
MA	13.4%	16.3%	9.3%	626
MT	11.1%	18.2%	20.3%	239
NJ	0.7%	4.4%**	5.7%	744
OR	16.8%	25.0%	28.5%	307
PA	5.6%	7.5%	10.0%	611
TX	7.5%	11.7%	12.9%	659

Notes. \*\* p<0.01, \* p<0.05. Significance in 2014 column refers to 2012-14 change only. Differences in statistical significance between Figure 1 and /supplemental Table 2 are due to the use of confidence intervals versus t-tests. See Schenker and Gentlemen's "On Judging the Differences by Examining the Overlap Between Confidence Intervals" in *The American Statistician* for more information.

**Supplemental Table 3. Likelihood of Scheduling Primary Care Appointments with Advanced Practitioners for Simulated Medicaid Patients by Year**

	2012/2013	2014	2016
FQHC	8.63**	6.88*	10.64**
ACO	1.47	-1.50	-0.47
HHI	0.25	8.36	2.95
% Black	-0.15*	-0.26**	-0.27**
% Hispanic	-0.06	-0.25*	-0.23*
% other	-0.27**	0.07	-0.11
median income	-0.14	-0.25*	-0.30*
unemployment rate	-0.55	1.48*	-0.49
% urban	-0.02	-0.01	-0.05
GA	9.82**	2.62	3.25
IA	5.40	5.70	3.29
IL	3.54	1.01	4.18
MA	12.96**	11.46*	2.17
MT	4.86	1.56	-0.6
NJ	5.44	-0.23	6.06
OR	12.93**	10.59	15.04*
PA	4.05	-2.22	-1.05
TX	6.61	11.71	9.84
Number of Calls	2,159	1,480	2,012

Notes. \*\* p<0.01, \* p<0.05. Linear regressions with county-clustered standard errors. The outcome variable is whether an appointment was scheduled with an AP, so coefficients represent percentage points rather than odds ratios. For interpretation, patients were 8.6 percentage points more likely to schedule an AP appointment at an FQHC in 2012. County-level characteristics are from the Area Health Resource Files and US Census. Among states, AR was omitted.

**Supplemental Table 4. Odds Ratios of Scheduling Primary Care Appointments with Advanced Practitioners for Simulated Medicaid Patients**

	odds ratio	p-value
FQHC	2.03	<0.001
ACO	1.02	0.863
HHI	1.36	0.385
% urban	1.00	0.730
% unemployment	1.00	0.905
median income	0.98	0.001
% Black	0.97	<0.001
% Hispanic	0.98	0.001
% Other	0.98	0.170
GA	1.67	0.056
IA	1.52	0.131
IL	1.10	0.792
MA	2.58	0.003
MT	1.18	0.558
NJ	0.99	0.975
OR	2.65	0.001
PA	0.91	0.746
TX	2.53	0.005
2014	1.54	0.001
2016	1.83	<0.001
Number of Calls	5,651	

Notes. Logistic regressions with county-clustered standard errors. Results are presented as odds ratios, which show the ratio of the likelihood of getting an appointment with an AP over an MD/DO.