

Supplementary Online Content

Agarwal A, Roberts A, Dusetzina SB, Royce TJ. Changes in opioid prescribing patterns among generalists and oncologists for Medicare Part D beneficiaries from 2013 to 2017. *JAMA Oncol*. Published online May 29, 2020. doi:10.1001/jamaoncol.2020.2211

eTable. Poisson Regression—Estimated Adjusted Incidence Rate Ratios by Opioid Prescribing Rate Outcome and Specialty

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

SUPPLEMENTAL MATERIALS

Supplemental Table 1: Poisson Regression–Estimated Adjusted Incidence Rate Ratios by Opioid Prescribing Rate Outcome and Specialty

	Opioid prescriptions/ 100 Medicare beneficiaries			LA opioid prescriptions/ 100 Medicare beneficiaries		
	aIRR	95% CI		aIRR	95% CI	
Generalists						
Year						
2013	Reference			Reference		
2014	0.936	(0.934	, 0.939)	0.928	(0.921	, 0.935)
2015	0.858	(0.854	, 0.862)	0.849	(0.840	, 0.858)
2016	0.798	(0.793	, 0.802)	0.768	(0.758	, 0.778)
2017	0.730	(0.725	, 0.734)	0.672	(0.662	, 0.682)
Female	0.753	(0.745	, 0.761)	0.727	(0.710	, 0.745)
Medicare patient age	0.978	(0.976	, 0.979)	0.965	(0.961	, 0.969)
Medicare patient risk score	0.869	(0.861	, 0.877)	1.035	(1.015	, 1.055)
Oncologists						
Year						
2013	Reference			Reference		
2014	0.954	(0.943	, 0.965)	0.957	(0.937	, 0.976)
2015	0.877	(0.864	, 0.889)	0.902	(0.879	, 0.925)
2016	0.820	(0.806	, 0.834)	0.817	(0.793	, 0.843)
2017	0.755	(0.741	, 0.770)	0.716	(0.692	, 0.741)
Female	0.875	(0.852	, 0.899)	0.903	(0.864	, 0.944)
Mean Medicare patient age	0.948	(0.943	, 0.953)	0.940	(0.932	, 0.948)
Mean Medicare patient risk score	1.226	(1.187	, 1.265)	1.316	(1.251	, 1.385)

Note: LA=Long acting; aIRR=Adjusted incidence rate ratio; CI=Confidence interval. Poisson regression for each opioid prescribing rate outcome were estimated using Poisson regression on prescriber-level data with standard errors clustered on prescriber. All models controlled for state fixed effects.