Supplemental Online Content

eTable 1. Hydroxyurea Use Before and After Release of New Treatment Guidelines Among Youths With ≥1 Filled Hydroxyurea Prescription in the Year

eTable 2. Hydroxyurea Use Before and After Release of New Treatment Guidelines

eTable 3. Regression Results Estimating Filled Prescriptions

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

eTable 1. Hydroxyurea Use Before and After Release of New Treatment Guidelines Among Youths With ≥1 Filled Hydroxyurea Prescription in the Year

	Michigan			New York		
	Pre-Release (2010-2014)	Post-Release (2015-2018)	*p*-value	Pre-Release (2012-2014)	Post-Release (2015-2018)	*p*-value
	(n = 352)	(n = 457)		(n = 706)	(n = 692)	
Days' Supply						
Minimum	15	12	--	0	1	---
Quartile 1	89	81	--	114	130	---
Median	174	150	--	228	256	---
Quartile 3	254.5	249	--	324	365	---
Maximum	365	365	--	365	365	----
Mean (SD)	174.53 (103.01)	166.51 (103.89)	0.22	215.27 (114.92)	236.14 (119.35)	<0.001
Filled Prescriptions						
Minimum	0	1	--	1	1	---
Quartile 1	3	3	--	4	4	---
Median	6	5	--	8	8	---
Quartile 3	9	9	--	11	11	---
Maximum	15	16	--	27	27	---
Mean (SD)	6.08 (3.65)	5.79 (3.66)	0.25	7.29 (3.97)	7.69 (4.34)	<0.001

eTable 2. Hydroxyurea Use Before and After Release of New Treatment Guidelines

	Michigan			New York		
	Pre-Release (2010-2014)	Post-Release (2015-2018)	p-value[a]	Pre-Release (2012-2014)	Post-Release (2015-2018)	p-value
	(n = 1472)	(n = 1443)		(n = 3718)	(n = 5933)	
Filled Prescriptions						
Minimum	0	0	--	0	0	---
Quartile 1	0	0	--	0	0	---
Median	0	0	--	0	0	---
Quartile 3	0	2	--	5	7	---
Maximum	15	16	--	27	27	---
Mean (SD)	1.45 (3.15)	1.83 (3.39)	<0.001	2.70 (4.27)	3.53 (4.83)	<0.001

[a]Rankings were compared using Wilcoxon test

eTable 3. Regression Results Estimating Filled Prescriptions

	Michigan	New York State[a]
	Filled Prescriptions (n=2915)	Filled Prescriptions (n=4101)
	Estimate (95% CI)	Estimate (95% CI)
Logistic Component (Predicting Any vs None of Hydroxyurea Use Measures)		
Years since 2010	0.00 (-0.07 to 0.07)	N/A
Age	0.09 (0.07 to -0.11)	N/A
Post-guideline changes (ref=pre-guideline changes)	0.43 (0.08 to 0.79)	N/A
Negative Binomial Component (Predicting Count of Hydroxyurea Use Measure)		
Years since 2010	-0.13 (-0.31 to 0.06)	0.16 (-0.15 to 0.47)
(Years since 2010)^2	0.01 (-0.03 to 0.06)	-0.02 (-0.17 to 0.13)
Post-guideline changes (ref=pre-guideline changes)	-4.44 (-7.30 to -1.58)	0.16 (-0.92 to 1.24)
Years since 2010 * post-guideline changes (ref=pre-guideline changes)	1.38 (0.47 to 2.29)	-0.10 (-0.68 to 0.49)
(Years since 2010)^2 * post-guideline changes (ref=pre-guideline changes)	-0.11 (-0.19 to -0.02)	0.02 (-0.14 to 0.18)