



```

name: <unnamed>
log: /gpfs/scratch/azc211/ny_mergers/logs/fe_util_hhi_20190308.smc1
log type: smc1
opened on: 8 Mar 2019, 15:43:47

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1 .
2 . quietly {
* * * avg_hhisys_cnty terciles for 2006 * *

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... Tercile 1: 0.249
... Tercile 2: 0.436

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* * * DISCHARGES * * *

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Discharges (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	0.04	-0.06	-0.16	-0.04
> -1.62***	(0.06)	(0.05)	(0.09)	(0.08)
> (0.18)				
Cnty avg. HHI sys ~3	0.11	0.16	-0.07	0.19
> 0.00	(0.13)	(0.24)	(0.15)	(0.22)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.06***	-0.08***	-0.02	0.04
> 0.09	(0.02)	(0.02)	(0.02)	(0.04)
> (0.24)				
year=2008	-0.07	-0.01	-0.05*	-0.03
> -0.20	(0.05)	(0.02)	(0.02)	(0.05)
> (0.33)				
year=2009	-0.04*	0.03	-0.07**	-0.09
> 0.31	(0.02)	(0.03)	(0.02)	(0.05)
> (0.26)				
year=2010	-0.07*	0.03	-0.16***	-0.22***
> -0.16	(0.03)	(0.04)	(0.03)	(0.06)
> (0.38)				
year=2011	-0.05*	0.07*	-0.15***	-0.33***
> -0.25	(0.02)	(0.03)	(0.03)	(0.06)
> (0.48)				
year=2012	-0.08**	0.03	-0.19***	-0.37***
> 0.10	(0.02)	(0.04)	(0.03)	(0.07)
> (0.34)				
Constant	7.98***	7.12***	7.70***	5.59***
> 3.37***	(0.05)	(0.08)	(0.08)	(0.09)
> (0.32)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

## Discharges (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	0.03***	-0.01	-0.03**	0.00
> 0.00	(0.00)	(0.01)	(0.01)	(0.00)
> (0.00)				
Cnty avg. HHI sys ~3	0.03**	-0.01	-0.03*	0.01
> 0.00	(0.01)	(0.01)	(0.01)	(0.01)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.01**	-0.01**	0.01	0.01***
> -0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2008	-0.00	-0.00	-0.01	0.01
> -0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2009	-0.00	0.01	-0.01*	0.00
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2010	0.00	0.01**	-0.02***	0.00
> -0.00	(0.00)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2011	0.01*	0.03***	-0.03***	-0.02***
> -0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2012	0.01*	0.03***	-0.03***	-0.02***
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	0.39***	0.22***	0.32***	0.05***
> 0.00***	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				

\* p&lt;0.05, \*\* p&lt;0.01, \*\*\* p&lt;0.001

\* \* \* SERVICE UTILIZATIONS \* \* \*

3 . . . Medicaid services . . .

## Medicaid Service Util: Emergency Department (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)

>	(.)				
Cnty avg. HHI sys ~2	0.25	0.08	-0.10	0.02	
>	0.08				
	(0.18)	(0.08)	(0.13)	(0.07)	
>	(0.15)				
Cnty avg. HHI sys ~3	0.37	0.12	-0.09	0.08	
>	0.00				
	(0.29)	(0.23)	(0.22)	(0.18)	
>	(.)				
year=2006	0.00	0.00	0.00	0.00	
>	0.00				
	(.)	(.)	(.)	(.)	
>	(.)				
year=2007	-0.09	-0.06	-0.02	0.03	
>	0.39				
	(0.06)	(0.05)	(0.05)	(0.06)	
>	(0.27)				
year=2008	-0.01	0.09	0.05	0.06	
>	0.05				
	(0.08)	(0.06)	(0.06)	(0.08)	
>	(0.39)				
year=2009	0.01	0.14	0.02	-0.01	
>	0.69*				
	(0.08)	(0.07)	(0.08)	(0.08)	
>	(0.30)				
year=2010	0.06	0.22*	-0.01	-0.08	
>	0.13				
	(0.10)	(0.10)	(0.09)	(0.10)	
>	(0.40)				
year=2011	0.19	0.38***	0.10	-0.10	
>	-0.08				
	(0.11)	(0.11)	(0.10)	(0.10)	
>	(0.49)				
year=2012	0.17	0.31**	0.04	-0.15	
>	0.43				
	(0.11)	(0.11)	(0.10)	(0.11)	
>	(0.37)				
Constant	7.12***	6.03***	6.69***	4.94***	
>	1.82***				
	(0.17)	(0.13)	(0.14)	(0.11)	
>	(0.34)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Medicaid Service Util: Mental Health/Substance Abuse (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
>	0.00			
	(.)	(.)	(.)	(.)
>	(.)			
Cnty avg. HHI sys ~2	0.02	0.05	-0.09	-0.06
>	-0.14			
	(0.06)	(0.09)	(0.06)	(0.07)
>	(0.17)			
Cnty avg. HHI sys ~3	-0.26	-0.14	-0.25	-0.22
>	0.00			
	(0.15)	(0.21)	(0.15)	(0.21)
>	(.)			
year=2006	0.00	0.00	0.00	0.00
>	0.00			
	(.)	(.)	(.)	(.)
>	(.)			
year=2007	-0.06	-0.10*	-0.05	0.02
>	-0.19			

>	(0.25)	(0.04)	(0.04)	(0.04)	(0.05)
year=2008	-0.00	-0.07	0.03	0.03	
>	0.03	(0.04)	(0.04)	(0.04)	(0.06)
>	(0.15)	-0.01	-0.01	0.02	-0.04
year=2009	0.07	(0.05)	(0.05)	(0.05)	(0.06)
>	(0.22)	-0.00	0.06	-0.04	-0.12
year=2010	0.02	(0.05)	(0.07)	(0.06)	(0.07)
>	(0.23)	-0.02	0.06	0.01	-0.26***
year=2011	-0.11	(0.05)	(0.07)	(0.07)	(0.08)
>	(0.28)	-0.06	0.01	-0.02	-0.36***
year=2012	-0.12	(0.06)	(0.08)	(0.07)	(0.08)
>	(0.26)	4.00***	4.36***	3.86***	3.23***
Constant	0.89***	(0.08)	(0.12)	(0.09)	(0.11)
>	(0.23)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Medicaid Service Util: Newborn (log counts)

>	NoCharge	Medicare	Medicaid	PrivIns	SelfPay
>	b/se	b/se	b/se	b/se	b/se
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00	0.00
>	0.00	(.)	(.)	(.)	(.)
>	(.)	-0.03*	0.09**	0.04	-0.07*
Cnty avg. HHI sys ~2	-0.40***	(0.02)	(0.03)	(0.03)	(0.03)
>	(0.05)	-0.07*	0.17	0.12	0.01
Cnty avg. HHI sys ~3	0.00	(0.03)	(0.11)	(0.14)	(0.11)
>	(.)	0.00	0.00	0.00	0.00
year=2006	0.00	(.)	(.)	(.)	(.)
>	(.)	0.01	-0.08**	-0.05*	0.07*
year=2007	0.28	(0.02)	(0.03)	(0.02)	(0.03)
>	(0.18)	0.01	-0.04	-0.05	0.06
year=2008	0.22	(0.03)	(0.03)	(0.04)	(0.04)
>	(0.15)	0.03	0.02	-0.03	0.04
year=2009	0.28	(0.03)	(0.04)	(0.04)	(0.05)
>	(0.18)	-0.02	0.06	0.00	-0.02
year=2010	0.26	(0.03)	(0.05)	(0.05)	(0.05)
>	(0.18)	-0.04	0.12	0.02	-0.11
year=2011					

>	0.24				
		(0.03)	(0.07)	(0.07)	(0.06)
>	(0.17)				
year=2012		-0.03	0.12	-0.00	-0.16*
>	0.14				
		(0.03)	(0.07)	(0.08)	(0.08)
>	(0.09)				
Constant		0.09***	1.93***	1.89***	0.98***
>	0.10				
		(0.03)	(0.06)	(0.06)	(0.06)
>	(0.10)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

4 . . . Private insurance services . . .

Private Insurance Service Util: Cardiac Cath. Lab (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	-0.01	0.03	-0.06	-0.03
> -0.02	(0.05)	(0.03)	(0.04)	(0.03)
> (0.06)				
Cnty avg. HHI sys ~3	-0.15	-0.08	-0.23	-0.09
> 0.00	(0.12)	(0.09)	(0.13)	(0.10)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.03	-0.00	-0.06*	0.04
> 0.08	(0.03)	(0.03)	(0.03)	(0.03)
> (0.14)				
year=2008	-0.03	0.03	-0.02	0.04
> 0.07	(0.05)	(0.03)	(0.04)	(0.04)
> (0.13)				
year=2009	-0.06	0.04	-0.08	0.02
> 0.07	(0.05)	(0.04)	(0.04)	(0.04)
> (0.15)				
year=2010	-0.06	0.05	-0.09	-0.02
> 0.13	(0.06)	(0.05)	(0.06)	(0.05)
> (0.19)				
year=2011	-0.09	0.06	-0.15*	-0.02
> 0.09	(0.07)	(0.06)	(0.07)	(0.05)
> (0.18)				
year=2012	-0.08	0.03	-0.14*	-0.05
> 0.08	(0.07)	(0.06)	(0.06)	(0.06)
> (0.20)				
Constant	2.69***	1.90***	2.42***	1.38***
> 0.39*				
	(0.08)	(0.06)	(0.08)	(0.05)
> (0.16)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

## Private Insurance Service Util: Nuclear Medicine (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	0.05	0.04	0.01	0.01
> 0.04	(0.09)	(0.11)	(0.10)	(0.17)
> (0.04)				
Cnty avg. HHI sys ~3	0.16	0.02	-0.00	-0.00
> 0.00	(0.13)	(0.14)	(0.14)	(0.19)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.08***	-0.07*	-0.01	0.03
> -0.09	(0.02)	(0.03)	(0.03)	(0.05)
> (0.13)				
year=2008	-0.12**	-0.01	-0.06	0.02
> -0.33	(0.04)	(0.03)	(0.03)	(0.05)
> (0.27)				
year=2009	-0.14***	-0.01	-0.09*	-0.03
> 0.11	(0.03)	(0.04)	(0.04)	(0.06)
> (0.17)				
year=2010	-0.20***	-0.01	-0.27***	-0.21***
> -0.22	(0.04)	(0.04)	(0.04)	(0.05)
> (0.20)				
year=2011	-0.21***	-0.04	-0.26***	-0.24***
> -0.25	(0.04)	(0.05)	(0.05)	(0.06)
> (0.24)				
year=2012	-0.27***	-0.08	-0.34***	-0.32***
> -0.23	(0.04)	(0.05)	(0.05)	(0.07)
> (0.18)				
Constant	4.98***	3.52***	4.20***	2.41***
> 0.77***	(0.08)	(0.09)	(0.08)	(0.13)
> (0.15)				

\* p&lt;0.05, \*\* p&lt;0.01, \*\*\* p&lt;0.001

## Private Insurance Service Util: Observation (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	-0.06	-0.64**	-0.46	0.16

>	0.01				
		(0.31)	(0.25)	(0.23)	(0.14)
>	(0.06)				
Cnty avg. HHI sys ~3	0.06	-0.56	-0.26	0.29	
>	0.00				
		(0.62)	(0.54)	(0.56)	(0.29)
>	(.)				
year=2006	0.00	0.00	0.00	0.00	
>	0.00				
		(.)	(.)	(.)	(.)
>	(.)				
year=2007	0.00	-0.10	-0.08	0.01	
>	0.15				
		(0.05)	(0.07)	(0.08)	(0.04)
>	(0.10)				
year=2008	0.19**	0.06	0.03	0.08	
>	0.22				
		(0.07)	(0.09)	(0.10)	(0.06)
>	(0.16)				
year=2009	0.29**	0.10	0.15	0.07	
>	0.10				
		(0.09)	(0.10)	(0.11)	(0.06)
>	(0.11)				
year=2010	0.53***	0.21	0.32**	0.10	
>	0.23				
		(0.11)	(0.11)	(0.12)	(0.07)
>	(0.22)				
year=2011	0.91***	0.29*	0.39**	0.26**	
>	0.22				
		(0.11)	(0.12)	(0.12)	(0.08)
>	(0.22)				
year=2012	1.20***	0.45***	0.57***	0.29**	
>	0.24				
		(0.14)	(0.12)	(0.13)	(0.09)
>	(0.24)				
Constant	0.78**	1.16***	1.22***	0.18	
>	-0.05				
		(0.28)	(0.25)	(0.25)	(0.14)
>	(0.18)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Private Insurance Service Util: Organ Acquisition (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
>	0.00			
	(.)	(.)	(.)	(.)
>	(.)			
Cnty avg. HHI sys ~2	0.00	-0.00	-0.01	0.00
>	0.00			
	(0.01)	(0.01)	(0.01)	(0.01)
>	(.)			
Cnty avg. HHI sys ~3	-0.00	-0.04	-0.04	0.01
>	0.00			
	(0.02)	(0.04)	(0.03)	(0.01)
>	(.)			
year=2006	0.00	0.00	0.00	0.00
>	0.00			
	(.)	(.)	(.)	(.)
>	(.)			
year=2007	0.01	0.01	0.01	-0.02
>	0.00			
	(0.01)	(0.01)	(0.01)	(0.02)
>	(.)			

year=2008	-0.00	-0.01	0.01	-0.03
> 0.00				
	(0.02)	(0.02)	(0.02)	(0.01)
> (.)				
year=2009	-0.01	-0.02	-0.01	-0.02
> 0.00				
	(0.01)	(0.02)	(0.02)	(0.02)
> (.)				
year=2010	-0.00	-0.02	-0.02	-0.00
> 0.00				
	(0.02)	(0.02)	(0.02)	(0.02)
> (.)				
year=2011	0.00	0.00	-0.00	-0.02
> 0.00				
	(0.02)	(0.02)	(0.02)	(0.02)
> (.)				
year=2012	-0.01	-0.02	-0.02	-0.00
> 0.00				
	(0.03)	(0.03)	(0.02)	(0.02)
> (.)				
Constant	0.30***	0.22***	0.29***	0.03
> 0.00				
	(0.02)	(0.02)	(0.02)	(0.02)
> (.)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Private Insurance Service Util: Other implants (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	0.10	0.00	-0.02	0.16
> 0.15				
	(0.28)	(0.40)	(0.36)	(0.11)
> (0.10)				
Cnty avg. HHI sys ~3	0.13	0.03	-0.00	0.19
> 0.00				
	(0.32)	(0.45)	(0.38)	(0.16)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.02	0.10*	0.05	0.10*
> 0.02				
	(0.04)	(0.05)	(0.04)	(0.04)
> (0.14)				
year=2008	0.13	0.31***	0.19**	0.16**
> -0.04				
	(0.08)	(0.06)	(0.06)	(0.05)
> (0.18)				
year=2009	0.29**	0.44***	0.28**	0.18**
> 0.25				
	(0.09)	(0.07)	(0.09)	(0.07)
> (0.19)				
year=2010	0.38***	0.62***	0.34***	0.18*
> -0.01				
	(0.10)	(0.08)	(0.10)	(0.08)
> (0.28)				
year=2011	0.46***	0.75***	0.42***	0.19*
> 0.02				
	(0.10)	(0.09)	(0.10)	(0.08)



>	(0.30)				
year=2012		0.47***	0.76***	0.40***	0.18*
>	0.23				
		(0.10)	(0.09)	(0.10)	(0.08)
>	(0.26)				
Constant		4.49***	2.94***	4.22***	1.99***
>	0.64**				
		(0.21)	(0.28)	(0.25)	(0.10)
>	(0.22)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Private Insurance Service Util: Radiology/Chemotherapy (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	-0.24	-0.05	-0.35	-0.05
> 0.07	(0.15)	(0.08)	(0.19)	(0.04)
> (0.07)				
Cnty avg. HHI sys ~3	-0.23	-0.02	-0.43*	0.07
> 0.00	(0.20)	(0.18)	(0.20)	(0.16)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.10*	-0.10*	-0.11*	-0.07
> 0.13	(0.04)	(0.05)	(0.05)	(0.05)
> (0.16)				
year=2008	-0.12**	0.00	-0.12**	0.00
> -0.06	(0.05)	(0.05)	(0.04)	(0.05)
> (0.08)				
year=2009	-0.12*	-0.08	-0.22***	-0.02
> -0.06	(0.05)	(0.05)	(0.06)	(0.05)
> (0.08)				
year=2010	-0.20***	-0.07	-0.24***	-0.10
> -0.00	(0.06)	(0.05)	(0.06)	(0.05)
> (0.11)				
year=2011	-0.19**	-0.08	-0.28***	-0.14*
> 0.11	(0.06)	(0.06)	(0.06)	(0.06)
> (0.20)				
year=2012	-0.31***	-0.16**	-0.41***	-0.16**
> -0.03	(0.06)	(0.06)	(0.05)	(0.06)
> (0.09)				
Constant	2.95***	1.93***	2.62***	0.74***
> 0.01	(0.12)	(0.09)	(0.14)	(0.08)
> (0.12)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

## 5 . . . Medicaid services . . .

## Medicaid Service Util: Emergency Department (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	0.03	0.00	-0.04	0.00
> 0.00	(0.01)	(0.01)	(0.02)	(0.01)
> (0.00)				
Cnty avg. HHI sys ~3	0.05	-0.01	-0.05	0.01
> 0.00	(0.03)	(0.01)	(0.03)	(0.01)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.01*	-0.00	0.01	0.01**
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2008	-0.01	-0.00	0.00	0.01
> -0.00	(0.01)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2009	-0.01	0.01	-0.00	0.00
> 0.00	(0.01)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2010	-0.00	0.01	-0.01	-0.00
> -0.00	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2011	0.00	0.03***	-0.02**	-0.02***
> -0.00	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
year=2012	0.01	0.02**	-0.02***	-0.02***
> 0.00	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
Constant	0.47***	0.18***	0.28***	0.05***
> 0.00	(0.01)	(0.01)	(0.02)	(0.00)
> (0.00)				

\* p&lt;0.05, \*\* p&lt;0.01, \*\*\* p&lt;0.001

## Medicaid Service Util: Mental Health/Substance Abuse (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				

Cnty avg. HHI sys ~2	0.01	-0.02	-0.02	0.03
> -0.00				
	(0.01)	(0.02)	(0.01)	(0.02)
> (0.00)				
Cnty avg. HHI sys ~3	-0.01	-0.02	0.01	0.02
> 0.00				
	(0.03)	(0.03)	(0.03)	(0.03)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.00	-0.00	-0.00	-0.00
> -0.01				
	(0.01)	(0.01)	(0.01)	(0.01)
> (0.01)				
year=2008	0.00	-0.01	0.01	-0.01
> -0.00				
	(0.01)	(0.01)	(0.01)	(0.01)
> (0.00)				
year=2009	-0.01	0.02	0.02	-0.02
> -0.00				
	(0.01)	(0.02)	(0.01)	(0.01)
> (0.00)				
year=2010	-0.01	0.04**	-0.00	-0.03**
> -0.00				
	(0.01)	(0.01)	(0.01)	(0.01)
> (0.00)				
year=2011	0.00	0.03*	-0.00	-0.03
> -0.00				
	(0.01)	(0.01)	(0.01)	(0.02)
> (0.00)				
year=2012	-0.00	0.04**	0.00	-0.05***
> -0.00				
	(0.02)	(0.01)	(0.01)	(0.01)
> (0.00)				
Constant	0.25***	0.40***	0.23***	0.10***
> 0.01*				
	(0.02)	(0.02)	(0.01)	(0.02)
> (0.00)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Medicaid Service Util: Newborn (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	-0.00	0.04**	0.00	-0.03
> -0.00**				
	(0.00)	(0.01)	(0.02)	(0.02)
> (0.00)				
Cnty avg. HHI sys ~3	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.00	-0.03	0.02	0.02**
> 0.00				
	(0.00)	(0.02)	(0.02)	(0.01)

> (0.00)				
year=2008	-0.00	0.00	-0.02*	0.03**
> 0.00				
	(0.00)	(0.01)	(0.01)	(0.01)
> (0.00)				
year=2009	-0.00	0.02	-0.03*	0.02*
> 0.00				
	(0.00)	(0.02)	(0.01)	(0.01)
> (0.00)				
year=2010	-0.00	0.02	-0.03**	0.02
> 0.00				
	(0.00)	(0.01)	(0.01)	(0.01)
> (0.00)				
year=2011	-0.00	0.07***	-0.03	-0.03**
> 0.00				
	(0.00)	(0.02)	(0.02)	(0.01)
> (0.00)				
year=2012	-0.00	0.08***	-0.05**	-0.03
> 0.00				
	(0.00)	(0.02)	(0.02)	(0.02)
> (0.00)				
Constant	0.00	0.44***	0.45***	0.08***
> -0.00				
	(0.00)	(0.01)	(0.01)	(0.01)
> (0.00)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

6 . . . Private insurance services . . .

Private Insurance Service Util: Cardiac Cath. Lab (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
> b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	-0.00	0.01	0.01	-0.01
> 0.00				
	(0.03)	(0.01)	(0.01)	(0.01)
> (0.00)				
Cnty avg. HHI sys ~3	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.03	-0.02	-0.01	0.01*
> 0.00				
	(0.02)	(0.01)	(0.02)	(0.00)
> (0.00)				
year=2008	-0.00	-0.01	0.01	0.01*
> 0.00				
	(0.03)	(0.01)	(0.02)	(0.01)
> (0.00)				
year=2009	0.02	0.00	-0.04**	0.02**
> 0.00				
	(0.02)	(0.01)	(0.02)	(0.01)
> (0.00)				
year=2010	0.01	0.00	-0.03	0.01
> 0.00				
	(0.02)	(0.01)	(0.02)	(0.00)
> (0.00)				
year=2011	0.06**	0.01	-0.06***	0.00

>	0.00				
>	(0.00)	(0.02)	(0.01)	(0.02)	(0.00)
year=2012	0.04	0.00	-0.05**	0.00	
>	0.00	(0.02)	(0.01)	(0.02)	(0.01)
>	(0.00)				
Constant	0.49***	0.15***	0.29***	0.04***	
>	0.00	(0.02)	(0.01)	(0.01)	(0.01)
>	(0.00)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Private Insurance Service Util: Nuclear Medicine (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	0.03***	-0.01	-0.00	-0.00
> 0.00	(0.01)	(0.01)	(0.03)	(0.01)
> (0.00)				
Cnty avg. HHI sys ~3	0.08	-0.01	-0.06	0.00
> 0.00	(0.04)	(0.01)	(0.05)	(0.01)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.01*	0.00	0.01	0.00
> -0.00	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2008	-0.01*	0.01	0.00	0.00
> -0.00	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2009	-0.02**	0.01*	0.01	0.01
> 0.00	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2010	-0.00	0.01***	-0.02*	0.00
> -0.00	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2011	-0.00	0.02***	-0.01	-0.01**
> -0.00	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2012	0.00	0.02***	-0.02*	-0.01**
> -0.00	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
Constant	0.53***	0.14***	0.26***	0.04***
> 0.00***	(0.01)	(0.01)	(0.02)	(0.01)
> (0.00)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

## Private Insurance Service Util: Observation (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	0.22***	-0.13*	-0.10*	-0.01
> 0.00	(0.06)	(0.05)	(0.04)	(0.02)
> (0.00)				
Cnty avg. HHI sys ~3	0.33**	-0.12*	-0.17*	-0.02
> 0.00	(0.12)	(0.06)	(0.08)	(0.03)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.00	-0.03	0.03	-0.00
> 0.00	(0.04)	(0.02)	(0.04)	(0.01)
> (0.00)				
year=2008	0.02	-0.00	-0.04	0.03
> 0.00*	(0.04)	(0.02)	(0.04)	(0.02)
> (0.00)				
year=2009	0.02	-0.01	0.00	-0.01
> -0.00	(0.04)	(0.03)	(0.04)	(0.01)
> (0.00)				
year=2010	0.07	-0.03	-0.04	-0.01
> 0.00	(0.04)	(0.02)	(0.04)	(0.01)
> (0.00)				
year=2011	0.17***	-0.04	-0.12**	-0.01
> -0.00	(0.04)	(0.03)	(0.04)	(0.01)
> (0.00)				
year=2012	0.19***	-0.06*	-0.11**	-0.02
> 0.00	(0.04)	(0.03)	(0.04)	(0.01)
> (0.00)				
Constant	0.11	0.30***	0.50***	0.06**
> 0.00**	(0.08)	(0.05)	(0.06)	(0.02)
> (0.00)				

\* p&lt;0.05, \*\* p&lt;0.01, \*\*\* p&lt;0.001

## Private Insurance Service Util: Organ Acquisition (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
Cnty avg. HHI sys ~2	-0.04	-0.01	0.03	-0.00
> 0.00				

>	(.)	(0.04)	(0.04)	(0.02)	(0.00)
Cnty avg. HHI sys ~3	0.00	0.00	0.00	0.00	0.00
>	0.00				
>	(.)	(.)	(.)	(.)	(.)
>	(.)				
year=2006	0.00	0.00	0.00	0.00	0.00
>	0.00				
>	(.)	(.)	(.)	(.)	(.)
>	(.)				
year=2007	0.03	0.00	-0.00	-0.00	-0.00
>	0.00				
>	(.)	(0.04)	(0.02)	(0.03)	(0.01)
>	(.)				
year=2008	-0.02	0.03	0.03	-0.01	-0.01
>	0.00				
>	(.)	(0.06)	(0.05)	(0.04)	(0.00)
>	(.)				
year=2009	0.10	-0.02	-0.03	-0.01	-0.01
>	0.00				
>	(.)	(0.06)	(0.02)	(0.05)	(0.00)
>	(.)				
year=2010	0.12	-0.01	-0.04	-0.00	-0.00
>	0.00				
>	(.)	(0.07)	(0.02)	(0.03)	(0.01)
>	(.)				
year=2011	0.06	-0.01	-0.02	-0.01	-0.01
>	0.00				
>	(.)	(0.05)	(0.03)	(0.03)	(0.00)
>	(.)				
year=2012	0.08	-0.04	-0.01	-0.00	-0.00
>	0.00				
>	(.)	(0.06)	(0.03)	(0.04)	(0.00)
>	(.)				
Constant	0.45***	0.16***	0.33***	0.01*	0.01*
>	0.00				
>	(.)	(0.05)	(0.02)	(0.03)	(0.00)
>	(.)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Private Insurance Service Util: Other implants (proportions)

>	NoCharge	Medicare	Medicaid	PrivIns	SelfPay
>	b/se	b/se	b/se	b/se	b/se
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00	0.00
>	0.00				
>	(.)	(.)	(.)	(.)	(.)
Cnty avg. HHI sys ~2	0.02	-0.08*	0.02	0.01***	0.01***
>	0.01				
>	(0.00)	(0.05)	(0.04)	(0.02)	(0.00)
Cnty avg. HHI sys ~3	0.02	-0.08*	0.02	0.01***	0.01***
>	0.00				
>	(.)	(0.05)	(0.04)	(0.03)	(0.00)
>	(.)				
year=2006	0.00	0.00	0.00	0.00	0.00
>	0.00				
>	(.)	(.)	(.)	(.)	(.)
>	(.)				
year=2007	-0.02	0.01	0.02	-0.00	-0.00
>	-0.00				
>	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)
>	(0.00)				
year=2008	-0.02	0.01	0.01	-0.00	-0.00

>	-0.00				
		(0.01)	(0.01)	(0.01)	(0.00)
>	(0.00)				
year=2009	-0.02		0.02**	0.00	0.00
>	0.00				
		(0.01)	(0.01)	(0.01)	(0.00)
>	(0.00)				
year=2010	-0.02		0.02***	-0.01	-0.00
>	-0.00				
		(0.01)	(0.01)	(0.01)	(0.00)
>	(0.00)				
year=2011	-0.02		0.03***	-0.01	-0.01
>	-0.01				
		(0.01)	(0.01)	(0.01)	(0.00)
>	(0.01)				
year=2012	-0.02		0.03***	-0.02*	-0.01
>	0.01				
		(0.01)	(0.01)	(0.01)	(0.00)
>	(0.01)				
Constant	0.50***		0.15***	0.31***	0.02***
>	0.00				
		(0.03)	(0.02)	(0.02)	(0.00)
>	(0.00)				

\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

Private Insurance Service Util: Radiology/Chemotherapy (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
>				
>	b/se			
Cnty avg. HHI sys ~1	0.00	0.00	0.00	0.00
>	0.00			
	(.)	(.)	(.)	(.)
>	(.)			
Cnty avg. HHI sys ~2	0.01	0.08	-0.10**	0.01
>	0.00			
	(0.02)	(0.04)	(0.03)	(0.01)
>	(0.00)			
Cnty avg. HHI sys ~3	-0.00	0.10*	-0.13**	0.03
>	0.00			
	(0.03)	(0.05)	(0.04)	(0.02)
>	(.)			
year=2006	0.00	0.00	0.00	0.00
>	0.00			
	(.)	(.)	(.)	(.)
>	(.)			
year=2007	0.02	-0.01	0.00	-0.01
>	0.00			
	(0.02)	(0.01)	(0.02)	(0.01)
>	(0.00)			
year=2008	0.01	0.00	0.00	-0.00
>	-0.00			
	(0.01)	(0.01)	(0.01)	(0.01)
>	(0.00)			
year=2009	0.02	-0.01	-0.02	0.01
>	-0.00			
	(0.02)	(0.01)	(0.02)	(0.01)
>	(0.00)			
year=2010	0.00	-0.00	-0.01	0.01
>	-0.00			
	(0.02)	(0.01)	(0.02)	(0.01)
>	(0.00)			
year=2011	0.03	-0.00	-0.02	-0.00
>	0.00			
	(0.02)	(0.01)	(0.02)	(0.01)
>	(0.00)			



year=2012	0.04*	-0.00	-0.03	-0.01*
> -0.00				
	(0.02)	(0.01)	(0.02)	(0.01)
> (0.00)				
Constant	0.48***	0.13***	0.34***	0.02**
> -0.00				
	(0.02)	(0.02)	(0.02)	(0.01)
> (0.00)				

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\* p<0.05, \*\* p<0.01, \*\*\* p<0.001

```

7 .
8 .
9 . *****
10. * Log close
11. log close
    name: <unnamed>
    log: /gpfs/scratch/azc211/ny_mergers/logs/fe_util_hhi_20190308.smcl
    log type: smcl
    closed on: 8 Mar 2019, 15:44:04

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