



```

name: <unnamed>
log: /gpfs/scratch/azc211/ny_mergers/logs/hcup_outcomes_hhi_hosp_20190328.smcl
log type: smcl
opened on: 28 Mar 2019, 18:27:57

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1 .
2 . quietly {
3 . . . dropping all hosp-years with less than 80 discharges . . .
* * *
* * * Model specifications * * *
xtset ahaid year
xtreg outcome hhi_hosp i.year total_enroll [aweight=discharges_year], fe vce(cluster c
> nty)
* * *
* * * DISCHARGES * * *

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Discharges (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
hhi_hosp	-0.20	-0.98*	0.64	0.24
> 0.95	(0.17)	(0.39)	(0.37)	(0.64)
> (3.03)	0.00	0.00	0.00	0.00
year=2006	(.)	(.)	(.)	(.)
> 0.00	-0.05***	-0.07**	-0.02	0.03
> (.)	(0.01)	(0.02)	(0.01)	(0.04)
year=2007	-0.02	-0.00	-0.06*	-0.02
> 0.10	(0.01)	(0.02)	(0.02)	(0.04)
> (0.21)	-0.05*	0.03	-0.10***	-0.09
year=2008	(0.02)	(0.03)	(0.02)	(0.06)
> -0.27	-0.07**	0.06	-0.19***	-0.20**
> (0.32)	(0.03)	(0.05)	(0.03)	(0.07)
year=2009	-0.08*	0.09	-0.21***	-0.31***
> 0.29	(0.03)	(0.05)	(0.03)	(0.08)
> (0.32)	-0.12***	0.04	-0.28***	-0.35***
year=2010	(0.03)	(0.06)	(0.04)	(0.08)
> -0.25	0.00***	0.00	0.00***	-0.00
> (0.54)	(0.00)	(0.00)	(0.00)	(0.00)
year=2011	7.84***	7.45***	6.94***	5.78***
> -0.25	(0.09)	(0.19)	(0.16)	(0.36)
> (0.75)				
year=2012				
> 0.08				
> (0.65)				
(sum) total_enroll				
> 0.00				
> (0.00)				
Constant				
> 2.01				
> (2.44)				

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

Discharges (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
hhi_hosp	-0.05	-0.16**	0.23**	0.03
> -0.01	(0.06)	(0.05)	(0.07)	(0.03)
> (0.02)				
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*	0.00
> -0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2009	-0.00	0.01	-0.01***	0.01
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2010	0.01	0.01	-0.03***	0.01
> -0.00	(0.01)	(0.01)	(0.01)	(0.01)
> (0.00)				
year=2011	0.01	0.03***	-0.04***	-0.01**
> -0.00	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2012	0.01	0.02***	-0.04***	-0.01***
> 0.00	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
(sum) total_enroll	0.00	0.00	0.00**	-0.00***
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	0.43***	0.24***	0.17***	0.11***
> 0.01	(0.03)	(0.03)	(0.03)	(0.02)
> (0.02)				

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

* * * SERVICE UTILIZATIONS * * *

4 . . . Medicaid associated services . . .

Service Util: Emergency Department (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
hhi_hosp	-1.46*	-1.42*	0.57	0.20
> 1.42	(0.62)	(0.59)	(0.57)	(0.56)
> (1.84)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				

year=2007	-0.05	-0.04	-0.00	0.04
> 0.41				
	(0.05)	(0.04)	(0.04)	(0.06)
> (0.26)				
year=2008	0.06	0.11	0.05	0.08
> 0.05				
	(0.07)	(0.06)	(0.07)	(0.08)
> (0.36)				
year=2009	-0.06	0.08	-0.07	-0.07
> 0.59				
	(0.09)	(0.08)	(0.09)	(0.10)
> (0.34)				
year=2010	-0.10	0.12	-0.17	-0.18
> -0.04				
	(0.09)	(0.09)	(0.10)	(0.11)
> (0.56)				
year=2011	-0.04	0.22*	-0.13	-0.24*
> -0.32				
	(0.08)	(0.09)	(0.08)	(0.11)
> (0.72)				
year=2012	-0.10	0.12	-0.24*	-0.33**
> 0.14				
	(0.09)	(0.10)	(0.09)	(0.12)
> (0.66)				
(sum) total_enroll	0.00**	0.00*	0.00*	0.00
> 0.00				
	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	5.91***	5.20***	4.68***	3.83***
> -0.05				
	(0.67)	(0.75)	(0.66)	(0.80)
> (2.10)				

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

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

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
hhi_hosp	-0.10	-0.76	-0.14	0.01
> 2.94				
	(0.73)	(1.08)	(0.82)	(0.88)
> (1.40)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.06	-0.10**	-0.05	0.02
> -0.20				
	(0.03)	(0.04)	(0.04)	(0.05)
> (0.25)				
year=2008	-0.00	-0.07	0.03	0.03
> 0.01				
	(0.04)	(0.05)	(0.06)	(0.05)
> (0.17)				
year=2009	-0.02	0.01	0.01	-0.04
> 0.03				
	(0.05)	(0.06)	(0.07)	(0.06)
> (0.25)				
year=2010	-0.02	0.10	-0.08	-0.12
> -0.03				
	(0.06)	(0.08)	(0.08)	(0.07)
> (0.33)				
year=2011	-0.04	0.11	-0.04	-0.26**
> -0.18				
	(0.07)	(0.08)	(0.07)	(0.08)

>	(0.43)				
year=2012	-0.09	0.08	-0.08	-0.36***	
>	-0.22				
	(0.08)	(0.10)	(0.08)	(0.10)	
>	(0.46)				
(sum) total_enroll	0.00	-0.00	0.00*	0.00	
>	0.00				
	(0.00)	(0.00)	(0.00)	(0.00)	
>	(0.00)				
Constant	3.76***	4.97***	3.40***	3.12***	
>	-0.24				
	(0.30)	(0.41)	(0.33)	(0.42)	
>	(1.46)				

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

Service Util: Newborn (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
hhi_hosp	0.19	-0.15	0.50	0.70*
> 1.00	(0.24)	(0.44)	(0.48)	(0.32)
> (1.06)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.01	-0.08*	-0.05	0.05
> 0.27	(0.01)	(0.03)	(0.02)	(0.03)
> (0.20)				
year=2008	0.01	-0.03	-0.05	0.05
> 0.20	(0.03)	(0.03)	(0.04)	(0.03)
> (0.16)				
year=2009	0.03	0.01	-0.05	0.07
> 0.28	(0.03)	(0.04)	(0.04)	(0.05)
> (0.17)				
year=2010	-0.02	0.04	-0.03	0.07
> 0.24	(0.04)	(0.06)	(0.06)	(0.09)
> (0.21)				
year=2011	-0.05	0.09	-0.02	0.01
> 0.24	(0.03)	(0.07)	(0.08)	(0.08)
> (0.20)				
year=2012	-0.04	0.09	-0.05	-0.01
> 0.14	(0.04)	(0.08)	(0.09)	(0.09)
> (0.15)				
(sum) total_enroll	-0.00	0.00	0.00	-0.00**
> -0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	0.00	1.82***	1.50***	1.74***
> -0.36	(0.18)	(0.25)	(0.29)	(0.39)
> (0.92)				

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

5 . . . Private insurance associated services . . .

Service Util: Cardiac Cath. Lab (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
b/se				
hhi_hosp	-0.51	-0.63*	-0.25	0.04
> -0.60	(0.35)	(0.31)	(0.41)	(0.27)
> (0.49)	0.00	0.00	0.00	0.00
year=2006	(.)	(.)	(.)	(.)
> 0.00	-0.03	-0.00	-0.06*	0.04
> (.)	(0.03)	(0.03)	(0.02)	(0.03)
year=2007	-0.03	0.04	-0.02	0.04
> 0.07	(0.05)	(0.03)	(0.04)	(0.04)
> (0.13)	-0.06	0.05	-0.09	0.03
year=2008	(0.06)	(0.04)	(0.05)	(0.05)
> 0.07	-0.06	0.07	-0.11	-0.00
> (0.18)	(0.07)	(0.05)	(0.08)	(0.05)
year=2010	-0.09	0.07	-0.18*	-0.00
> 0.27	(0.08)	(0.06)	(0.08)	(0.05)
> (0.26)	-0.08	0.05	-0.18	-0.03
year=2011	(0.09)	(0.08)	(0.09)	(0.06)
> 0.30	0.00	-0.00	0.00	-0.00
> (0.30)	(0.00)	(0.00)	(0.00)	(0.00)
(sum) total_enroll	2.76***	2.20***	2.13***	1.50***
> -0.00	(0.27)	(0.30)	(0.26)	(0.34)
> (0.00)				
Constant				
> 1.78*				
> (0.77)				

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

Service Util: Nuclear Medicine (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
b/se				
hhi_hosp	-0.01	-0.08	0.85	0.78
> 1.25	(0.31)	(0.34)	(0.44)	(0.40)
> (0.84)	0.00	0.00	0.00	0.00
year=2006	(.)	(.)	(.)	(.)
> 0.00				
> (.)				

year=2007	-0.07***	-0.07	-0.01	0.03
> -0.09				
	(0.02)	(0.04)	(0.03)	(0.05)
> (0.12)				
year=2008	-0.09**	-0.01	-0.06*	0.02
> -0.34				
	(0.03)	(0.04)	(0.03)	(0.05)
> (0.27)				
year=2009	-0.15***	-0.01	-0.11**	-0.04
> 0.08				
	(0.04)	(0.05)	(0.04)	(0.06)
> (0.20)				
year=2010	-0.23***	-0.02	-0.32***	-0.22**
> -0.27				
	(0.04)	(0.06)	(0.05)	(0.08)
> (0.28)				
year=2011	-0.24***	-0.05	-0.32***	-0.26***
> -0.32				
	(0.04)	(0.07)	(0.05)	(0.07)
> (0.37)				
year=2012	-0.31***	-0.09	-0.42***	-0.34***
> -0.33				
	(0.04)	(0.07)	(0.05)	(0.08)
> (0.32)				
(sum) total_enroll	0.00	0.00	0.00*	0.00
> 0.00				
	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	4.79***	3.48***	3.52***	2.09***
> 0.03				
	(0.21)	(0.21)	(0.23)	(0.26)
> (1.00)				

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

Service Util: Observation (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
hhi_hosp	-0.60	-1.48	-0.63	0.15
> -0.76				
	(1.28)	(0.77)	(0.97)	(0.64)
> (1.04)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.02	-0.10	-0.09	0.00
> 0.14				
	(0.06)	(0.07)	(0.08)	(0.04)
> (0.10)				
year=2008	0.19	0.07	0.04	0.08
> 0.22				
	(0.10)	(0.11)	(0.12)	(0.08)
> (0.17)				
year=2009	0.39**	0.16	0.21	0.09
> 0.15				
	(0.12)	(0.13)	(0.14)	(0.09)
> (0.18)				
year=2010	0.73***	0.34*	0.44**	0.13
> 0.33				
	(0.15)	(0.15)	(0.13)	(0.09)
> (0.37)				
year=2011	1.16***	0.45*	0.54***	0.30*
> 0.35				
	(0.17)	(0.17)	(0.15)	(0.12)

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>      (0.40)
year=2012      1.50***      0.62**      0.73***      0.35*
>      0.40
              (0.22)      (0.20)      (0.18)      (0.13)
>      (0.47)
(sum) total_enroll      -0.00***      -0.00      -0.00*      -0.00
>      -0.00
              (0.00)      (0.00)      (0.00)      (0.00)
>      (0.00)
Constant      2.93***      2.22***      2.21***      0.64
>      0.99
              (0.64)      (0.58)      (0.61)      (0.35)
>      (1.44)

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

Service Util: Organ Acquisition (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
hhi_hosp	0.04	0.00	0.03	0.01
> 0.00	(0.06)	(0.06)	(0.06)	(0.02)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.01	0.00	0.01	-0.02
> 0.00	(0.01)	(0.01)	(0.01)	(0.01)
> (.)				
year=2008	-0.00	-0.01	0.01	-0.03**
> 0.00	(0.01)	(0.01)	(0.02)	(0.01)
> (.)				
year=2009	-0.01	-0.01	-0.01	-0.02*
> 0.00	(0.02)	(0.01)	(0.01)	(0.01)
> (.)				
year=2010	-0.01	-0.01	-0.02	-0.01
> 0.00	(0.02)	(0.02)	(0.02)	(0.01)
> (.)				
year=2011	0.00	0.02	-0.00	-0.03*
> 0.00	(0.02)	(0.02)	(0.02)	(0.01)
> (.)				
year=2012	-0.02	-0.01	-0.02	-0.01
> 0.00	(0.03)	(0.02)	(0.02)	(0.01)
> (.)				
(sum) total_enroll	0.00	-0.00	-0.00	0.00
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (.)				
Constant	0.26***	0.29***	0.27***	-0.04
> 0.00	(0.05)	(0.08)	(0.08)	(0.09)
> (.)				

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

Service Util: Other implants (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
hhi_hosp	-0.96	-1.54**	0.01	-0.33
> -1.60	(0.80)	(0.56)	(0.98)	(0.46)
> (1.27)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.04	0.12*	0.06	0.11*
> 0.03	(0.05)	(0.05)	(0.04)	(0.05)
> (0.13)				
year=2008	0.18*	0.32***	0.20**	0.18**
> -0.03	(0.07)	(0.06)	(0.06)	(0.06)
> (0.19)				
year=2009	0.27**	0.44***	0.26**	0.15*
> 0.26	(0.09)	(0.07)	(0.09)	(0.06)
> (0.25)				
year=2010	0.33**	0.60***	0.28*	0.10
> 0.00	(0.12)	(0.10)	(0.12)	(0.07)
> (0.44)				
year=2011	0.39**	0.72***	0.34**	0.09
> 0.02	(0.12)	(0.10)	(0.12)	(0.09)
> (0.51)				
year=2012	0.39**	0.72***	0.31*	0.06
> 0.25	(0.13)	(0.10)	(0.13)	(0.09)
> (0.50)				
(sum) total_enroll	0.00	0.00	0.00	0.00*
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	4.26***	3.03***	3.58***	1.37**
> 1.11	(0.64)	(0.50)	(0.65)	(0.47)
> (1.55)				

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

Service Util: Radiology/Chemotherapy (log counts)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
hhi_hosp	-0.05	-0.53	-0.07	1.05*
> 0.16	(0.51)	(0.59)	(0.55)	(0.45)
> (0.21)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.10**	-0.10*	-0.12*	-0.07
> 0.13				

	(0.03)	(0.04)	(0.05)	(0.05)
> (0.17)				
year=2008	-0.10*	0.01	-0.12**	-0.00
> -0.06	(0.04)	(0.05)	(0.04)	(0.05)
> (0.08)				
year=2009	-0.13*	-0.07	-0.21**	-0.02
> -0.06	(0.05)	(0.04)	(0.06)	(0.05)
> (0.10)				
year=2010	-0.21***	-0.05	-0.21**	-0.10
> -0.00	(0.06)	(0.06)	(0.06)	(0.06)
> (0.16)				
year=2011	-0.21**	-0.06	-0.24***	-0.14*
> 0.10	(0.06)	(0.07)	(0.07)	(0.07)
> (0.27)				
year=2012	-0.33***	-0.13	-0.38***	-0.16*
> -0.04	(0.08)	(0.07)	(0.06)	(0.07)
> (0.15)				
(sum) total_enroll	0.00	-0.00	-0.00	-0.00
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	2.64***	2.23***	2.59***	0.54*
> -0.03	(0.30)	(0.26)	(0.25)	(0.22)
> (0.48)				

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

6 . . . Medicaid services . . .

Service Util: Emergency Department (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge				
	b/se	b/se	b/se	b/se
> b/se				

hhi_hosp	-0.14*	-0.12**	0.27***	0.05
> -0.05	(0.06)	(0.04)	(0.08)	(0.03)
> (0.05)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.01	-0.00**	0.01	0.00*
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2008	-0.00	-0.00	-0.00	0.00
> -0.00	(0.01)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2009	-0.01	0.01*	-0.01	0.00
> 0.00	(0.01)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2010	-0.00	0.01*	-0.02*	0.00
> -0.00	(0.01)	(0.01)	(0.01)	(0.01)
> (0.00)				
year=2011	-0.00	0.03***	-0.03**	-0.01***
> 0.00	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				

year=2012	0.01	0.02***	-0.03***	-0.01***
> 0.01				
	(0.01)	(0.00)	(0.01)	(0.00)
> (0.01)				
(sum) total_enroll	0.00	-0.00	0.00	-0.00***
> -0.00				
	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	0.50***	0.25***	0.12**	0.09***
> 0.03				
	(0.04)	(0.02)	(0.04)	(0.02)
> (0.03)				

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

Service Util: Mental Health/Substance Abuse (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
	b/se	b/se	b/se	b/se
> NoCharge				
> b/se				
hhi_hosp	0.18	-0.24	0.16	-0.08
> 0.03				
	(0.21)	(0.16)	(0.13)	(0.17)
> (0.02)				
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	-0.02	0.03	0.02	-0.02**
> -0.00				
	(0.01)	(0.02)	(0.01)	(0.01)
> (0.00)				
year=2010	-0.02	0.06***	-0.00	-0.04***
> -0.00				
	(0.01)	(0.01)	(0.01)	(0.01)
> (0.01)				
year=2011	-0.01	0.05***	-0.00	-0.04***
> -0.01				
	(0.01)	(0.01)	(0.01)	(0.01)
> (0.01)				
year=2012	-0.01	0.07***	-0.00	-0.06***
> -0.01				
	(0.02)	(0.02)	(0.01)	(0.01)
> (0.01)				
(sum) total_enroll	0.00	-0.00**	0.00	0.00***
> 0.00				
	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	0.14	0.61***	0.15	0.07
> -0.02				
	(0.09)	(0.07)	(0.08)	(0.06)
> (0.02)				

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

Service Util: Newborn (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
hhi_hosp	0.05	-1.11*	0.56	0.52
> 0.01	(0.06)	(0.53)	(0.45)	(0.32)
> (0.01)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.00	-0.02	0.01	0.01
> 0.00	(0.00)	(0.02)	(0.02)	(0.01)
> (0.00)				
year=2008	-0.00	0.02	-0.03*	0.02
> 0.00	(0.00)	(0.02)	(0.01)	(0.01)
> (0.00)				
year=2009	-0.00	0.02	-0.04*	0.03*
> 0.00	(0.00)	(0.02)	(0.02)	(0.01)
> (0.00)				
year=2010	-0.01	0.01	-0.05*	0.04*
> 0.00	(0.00)	(0.03)	(0.02)	(0.02)
> (0.00)				
year=2011	-0.01	0.06*	-0.05	0.00
> 0.00	(0.00)	(0.02)	(0.03)	(0.01)
> (0.00)				
year=2012	-0.01	0.07*	-0.08*	0.01
> 0.00	(0.00)	(0.03)	(0.03)	(0.01)
> (0.00)				
(sum) total_enroll	0.00	0.00*	0.00	-0.00***
> -0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	-0.02	0.60**	0.16	0.24*
> -0.00	(0.02)	(0.21)	(0.20)	(0.10)
> (0.01)				

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

7 . . . Private insurance services . . .

Service Util: Cardiac Cath. Lab (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
hhi_hosp	-0.38	-0.13	0.41*	0.13*
> -0.01	(0.23)	(0.09)	(0.20)	(0.05)
> (0.01)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.03	-0.01	-0.01	0.01

>	0.00				
>	(0.00)	(0.02)	(0.01)	(0.02)	(0.00)
year=2008	-0.00	-0.01	0.01	0.01*	
>	0.00	(0.03)	(0.01)	(0.03)	(0.01)
>	(0.00)	0.03	0.00	-0.06**	0.02*
year=2009	0.00	(0.02)	(0.01)	(0.02)	(0.01)
>	(0.00)	0.04	0.00	-0.05*	0.01
year=2010	0.00	(0.03)	(0.02)	(0.03)	(0.01)
>	(0.00)	0.10**	0.00	-0.09***	0.01
year=2011	0.00	(0.03)	(0.01)	(0.02)	(0.00)
>	(0.00)	0.08*	-0.00	-0.09**	0.01
year=2012	0.00	(0.04)	(0.02)	(0.02)	(0.01)
>	(0.00)	-0.00*	0.00	0.00*	-0.00*
(sum) total_enroll	-0.00	(0.00)	(0.00)	(0.00)	(0.00)
>	(0.00)	0.82***	0.14*	-0.01	0.04
Constant	0.02	(0.15)	(0.06)	(0.11)	(0.03)
>	(0.01)				

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

Service Util: Nuclear Medicine (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
hhi_hosp	-0.30	-0.04	0.27	0.06
>	(0.19)	(0.05)	(0.20)	(0.03)
>	0.00	0.00	0.00	0.00
year=2006	(.)	(.)	(.)	(.)
>	(.)	(.)	(.)	(.)
year=2007	-0.01	0.00	0.01	0.00
>	(0.01)	(0.00)	(0.01)	(0.00)
>	(0.00)	0.01	0.00	0.00
year=2008	(0.01)	(0.00)	(0.01)	(0.00)
>	(0.01)	0.01	0.00	0.01
year=2009	-0.02*	0.01	0.00	0.01
>	(0.01)	(0.00)	(0.01)	(0.00)
>	(0.00)	0.01*	-0.02*	0.00
year=2010	(0.01)	(0.01)	(0.01)	(0.00)
>	(0.00)	0.02***	-0.02	-0.01*
year=2011	(0.01)	(0.00)	(0.01)	(0.00)
>	(0.00)			

year=2012	0.01	0.02***	-0.03*	-0.01
> -0.00				
	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
(sum) total_enroll	-0.00	0.00	0.00	-0.00**
> -0.00				
	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	0.69***	0.13***	0.11	0.05**
> 0.00				
	(0.07)	(0.03)	(0.08)	(0.02)
> (0.00)				

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

Service Util: Observation (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
b/se				

hhi_hosp	0.02	-0.37	0.33	0.10
> -0.04				
	(0.32)	(0.26)	(0.30)	(0.11)
> (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)	(0.03)	(0.01)
> (0.00)				
year=2008	0.02	-0.00	-0.05	0.03
> 0.00***				
	(0.04)	(0.02)	(0.03)	(0.02)
> (0.00)				
year=2009	0.03	-0.01	-0.01	-0.01
> -0.00				
	(0.04)	(0.03)	(0.03)	(0.02)
> (0.00)				
year=2010	0.07	-0.01	-0.06	-0.00
> 0.00				
	(0.04)	(0.02)	(0.03)	(0.01)
> (0.00)				
year=2011	0.17***	-0.02	-0.15***	-0.01
> 0.00				
	(0.05)	(0.03)	(0.03)	(0.01)
> (0.00)				
year=2012	0.20***	-0.04	-0.15***	-0.01
> 0.01				
	(0.05)	(0.03)	(0.04)	(0.02)
> (0.00)				
(sum) total_enroll	-0.00	-0.00	0.00***	-0.00
> -0.00				
	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	0.38*	0.39**	0.09	0.06
> 0.04				
	(0.16)	(0.14)	(0.14)	(0.07)
> (0.02)				

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

Service Util: Organ Acquisition (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
b/se				
hhi_hosp	0.16	-0.69	-0.59	0.05
> 0.00	(1.88)	(0.48)	(0.64)	(0.05)
> (.)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.04	-0.00	0.00	-0.00
> 0.00	(0.04)	(0.02)	(0.03)	(0.01)
> (.)				
year=2008	-0.01	0.03	0.03	-0.01*
> 0.00	(0.06)	(0.04)	(0.04)	(0.00)
> (.)				
year=2009	0.09	0.01	-0.02	-0.01
> 0.00	(0.08)	(0.02)	(0.03)	(0.00)
> (.)				
year=2010	0.09	0.05	-0.04	-0.00
> 0.00	(0.12)	(0.03)	(0.02)	(0.01)
> (.)				
year=2011	0.03	0.06	-0.03	-0.01
> 0.00	(0.10)	(0.03)	(0.04)	(0.00)
> (.)				
year=2012	0.04	0.05	-0.01	-0.00
> 0.00	(0.12)	(0.04)	(0.05)	(0.01)
> (.)				
(sum) total_enroll	0.00	-0.00	0.00	0.00
> 0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (.)				
Constant	0.10	0.87	0.44	-0.01
> 0.00	(1.01)	(0.55)	(0.32)	(0.02)
> (.)				

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

Service Util: Other implants (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
NoCharge	b/se	b/se	b/se	b/se
b/se				
hhi_hosp	-0.11	-0.21*	0.42**	-0.04
> -0.11	(0.16)	(0.10)	(0.15)	(0.05)
> (0.11)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.02*	0.01	0.02	0.00
> -0.00				

	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
year=2008	-0.02	0.01	0.01	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	-0.01	0.03***	-0.01	-0.00
> -0.00				
	(0.02)	(0.01)	(0.01)	(0.00)
> (0.00)				
year=2011	-0.01	0.03***	-0.02	-0.00
> -0.00				
	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
year=2012	-0.01	0.04***	-0.03**	-0.00
> 0.02				
	(0.01)	(0.01)	(0.01)	(0.00)
> (0.02)				
(sum) total_enroll	-0.00	0.00	0.00	-0.00
> -0.00				
	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	0.57***	0.17**	0.15*	0.05*
> 0.07				
	(0.07)	(0.05)	(0.06)	(0.02)
> (0.07)				

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

Service Util: Radiology/Chemotherapy (proportions)

	Medicare	Medicaid	PrivIns	SelfPay
> NoCharge	b/se	b/se	b/se	b/se
> b/se				
hhi_hosp	-0.18	-0.11	0.18	0.12
> -0.00				
	(0.20)	(0.13)	(0.21)	(0.06)
> (0.00)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.02	-0.00	0.00	-0.01
> 0.00				
	(0.02)	(0.01)	(0.01)	(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)	(0.00)
> (0.00)				
year=2010	0.00	-0.00	-0.01	0.01
> 0.00				
	(0.02)	(0.02)	(0.02)	(0.01)
> (0.00)				
year=2011	0.03	-0.01	-0.02	-0.01
> 0.00				
	(0.02)	(0.02)	(0.02)	(0.01)
> (0.01)				
year=2012	0.04	-0.00	-0.03	-0.01*

>	0.00				
		(0.02)	(0.02)	(0.02)	(0.01)
>	(0.00)				
(sum) total_enroll		0.00	0.00	-0.00	-0.00
>	-0.00				
		(0.00)	(0.00)	(0.00)	(0.00)
>	(0.00)				
Constant		0.51***	0.21**	0.24*	-0.00
>	0.01				
		(0.10)	(0.08)	(0.10)	(0.04)
>	(0.01)				

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

```

8 .
9 .
10. *****
11. * Log close
12. log close
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    log: /gpfs/scratch/azc211/ny_mergers/logs/hcup_outcomes_hhi_hosp_20190328.smcl
    log type: smcl
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