Stata

Statistics/Data Analysis

```
      name:  <unnamed>
       log:  /gpfs/scratch/azc211/ny_mergers/logs/hcup_outcomes_hhi_hosp_aweight_20190
> 328.smcl
  log type:  smcl
 opened on:  28 Mar 2019, 18:27:53
```

```
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 * * *
```

Discharges (log counts)

NoCharge b/se	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se
hhi_hosp	0.17	-0.97	1.32*	0.85
> 3.43	(0.26)	(0.56)	(0.64)	(0.81)
> (5.65)				
year=2006	0.00	0.00	0.00	0.00
> 0.00	(.)	(.)	(.)	(.)
> (.)				
year=2007	-0.02*	-0.06***	-0.01	0.07
> 0.43	(0.01)	(0.02)	(0.01)	(0.04)
> (0.38)				
year=2008	0.02*	0.01	-0.04*	0.07*
> 0.09	(0.01)	(0.02)	(0.02)	(0.03)
> (0.51)				
year=2009	0.02*	0.10**	-0.07***	-0.00
> 0.60	(0.01)	(0.03)	(0.02)	(0.04)
> (0.45)				
year=2010	0.02	0.17***	-0.13***	-0.14
> 0.56	(0.02)	(0.04)	(0.02)	(0.08)
> (0.72)				
year=2011	0.02	0.21***	-0.13***	-0.22*
> 0.54	(0.02)	(0.05)	(0.02)	(0.08)
> (0.87)				
year=2012	-0.00	0.22**	-0.17***	-0.29**
> 0.75	(0.02)	(0.06)	(0.02)	(0.09)
> (0.75)				
(sum) total_enroll	0.00**	-0.00	0.00***	0.00
> -0.00	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	8.58***	9.17***	7.77***	5.95***
> 3.22	(0.11)	(0.28)	(0.22)	(0.55)
> (2.89)				

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

Discharges (proportions)

NoCharge	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
hhi_hosp	-0.06	-0.26**	0.30*	0.05*	-0.00
	(0.07)	(0.09)	(0.12)	(0.02)	(0.00)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	-0.00	-0.01*	0.00	0.01**	0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
year=2008	0.01***	-0.00	-0.01**	0.01**	0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
year=2009	0.01*	0.01	-0.02***	0.01*	0.00
	(0.00)	(0.01)	(0.00)	(0.00)	(0.00)
year=2010	0.01*	0.02*	-0.04***	0.01	0.00
	(0.00)	(0.01)	(0.00)	(0.01)	(0.00)
year=2011	0.01*	0.03***	-0.04***	-0.01*	0.00
	(0.00)	(0.01)	(0.01)	(0.00)	(0.00)
year=2012	0.01*	0.04***	-0.05***	-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	0.37***	0.35***	0.13**	0.11**	0.01
	(0.03)	(0.06)	(0.05)	(0.03)	(0.01)

* p<0.05, ** p<0.01, *** p<0.001
* * * SERVICE UTILIZATIONS * * *
4 **. . . Medicaid associated services . . .**

Service Util: Emergency Department (log counts)

NoCharge	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
hhi_hosp	-0.85	-1.55	0.48	0.07	0.81
	(1.32)	(1.27)	(1.25)	(1.17)	(2.46)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
year=2007	0.09	-0.00	0.01	0.15	0.76*
	(0.08)	(0.05)	(0.06)	(0.10)	(0.30)
year=2008	0.26**	0.20**	0.15	0.31*	0.49
	(0.10)	(0.07)	(0.08)	(0.12)	(0.44)
year=2009	0.05	0.15	-0.04	0.09	0.91*
	(0.16)	(0.14)	(0.15)	(0.16)	(0.42)
year=2010	0.02	0.21	-0.12	-0.07	0.75
	(0.19)	(0.17)	(0.18)	(0.18)	(0.72)
year=2011	0.18	0.41***	0.04	-0.06	0.45
	(0.10)	(0.11)	(0.13)	(0.16)	(0.90)
year=2012	0.10	0.34**	-0.08	-0.17	0.78
	(0.11)	(0.12)	(0.14)	(0.17)	(0.80)
(sum) total_enroll	0.00*	0.00	0.00*	0.00*	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Constant	4.95***	5.61***	4.33**	3.05*	1.74
	(1.39)	(1.51)	(1.31)	(1.25)	(2.65)

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

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

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
hhi_hosp	-0.70	-1.74	-0.89	-0.78	-0.02
	(1.03)	(1.58)	(1.20)	(1.29)	(2.00)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	-0.04	-0.09**	-0.03	0.08	0.13
	(0.03)	(0.03)	(0.04)	(0.04)	(0.46)
year=2008	-0.03	-0.07	-0.01	0.11	0.29
	(0.06)	(0.06)	(0.07)	(0.05)	(0.29)
year=2009	-0.07	0.02	-0.04	-0.02	0.27
	(0.06)	(0.06)	(0.06)	(0.06)	(0.37)
year=2010	-0.04	0.18	-0.07	-0.13	0.63
	(0.08)	(0.09)	(0.08)	(0.08)	(0.54)
year=2011	-0.06	0.16	-0.06	-0.30***	0.56
	(0.09)	(0.09)	(0.07)	(0.08)	

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
					(0.67)
year=2012	-0.12	0.12	-0.11	-0.46***	0.59
	(0.11)	(0.11)	(0.09)	(0.09)	(0.63)
(sum) total_enroll	0.00	-0.00	0.00**	0.00*	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Constant	4.69***	6.90***	4.18***	3.10***	2.62
	(0.55)	(0.68)	(0.56)	(0.63)	(1.56)

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

Service Util: Newborn (log counts)

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
hhi_hosp	0.19	-0.56	1.37	0.88	3.81
	(0.78)	(1.35)	(1.54)	(0.88)	(3.03)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	0.02	-0.08	-0.05	0.12*	0.49
	(0.03)	(0.05)	(0.04)	(0.05)	(0.33)
year=2008	0.04	-0.01	-0.06	0.13*	0.43
	(0.04)	(0.04)	(0.05)	(0.06)	(0.34)
year=2009	0.05	0.07	-0.05	0.10	0.41
	(0.05)	(0.06)	(0.07)	(0.12)	(0.24)
year=2010	-0.02	0.10	-0.05	0.10	0.56
	(0.05)	(0.09)	(0.10)	(0.19)	(0.39)
year=2011	-0.05	0.26**	0.02	0.05	0.56
	(0.05)	(0.09)	(0.10)	(0.20)	(0.39)
year=2012	-0.03	0.26*	-0.03	-0.02	0.08
	(0.07)	(0.11)	(0.12)	(0.24)	(0.16)
(sum) total_enroll	0.00	0.00	0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Constant	-0.04	3.70***	2.67***	2.65**	-1.16
	(0.48)	(0.79)	(0.74)	(0.91)	(1.51)

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

5 . . . . **Private insurance associated services** . . .

Service Util: Cardiac Cath. Lab (log counts)

	NoCharge b/se	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se
hhi_hosp	-1.99*	-0.87	-1.21	-0.17	-0.27
	(0.89)	(0.60)	(0.69)	(0.64)	(0.73)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	0.24	-0.05	-0.05	-0.06*	0.06
	(0.22)	(0.03)	(0.03)	(0.02)	(0.04)
year=2008	0.25	-0.01	0.05	-0.02	0.11*
	(0.21)	(0.05)	(0.03)	(0.03)	(0.05)
year=2009	0.44	-0.03	0.11*	-0.08	0.07
	(0.29)	(0.07)	(0.05)	(0.06)	(0.05)
year=2010	0.75	-0.04	0.19*	-0.12	0.03
	(0.45)	(0.09)	(0.08)	(0.10)	(0.08)
year=2011	0.75	-0.09	0.18	-0.21	0.02
	(0.44)	(0.11)	(0.10)	(0.12)	(0.09)
year=2012	0.84	-0.10	0.15	-0.25	-0.02
	(0.48)	(0.13)	(0.12)	(0.13)	(0.10)
(sum) total_enroll	-0.00*	0.00	-0.00	0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Constant	4.00**	5.13***	4.86***	4.14***	2.74***
	(1.23)	(0.53)	(0.56)	(0.54)	(0.57)

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

Service Util: Nuclear Medicine (log counts)

	NoCharge b/se	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se
hhi_hosp	0.78	0.73	0.08	1.73	1.52*
	(1.10)	(0.55)	(0.64)	(0.87)	(0.68)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
year=2007	-0.04**	-0.04	-0.02	0.09*	0.09
	(0.01)	(0.02)	(0.03)	(0.04)	(0.13)
year=2008	-0.04	0.03	-0.05	0.11*	-0.03
	(0.02)	(0.03)	(0.03)	(0.05)	(0.35)
year=2009	-0.13**	0.01	-0.14**	-0.03	0.31
	(0.05)	(0.05)	(0.05)	(0.06)	(0.30)
year=2010	-0.21***	0.03	-0.32***	-0.22*	0.13
	(0.06)	(0.09)	(0.08)	(0.11)	(0.42)
year=2011	-0.18***	0.07	-0.28***	-0.24**	0.02
	(0.04)	(0.09)	(0.05)	(0.08)	(0.46)
year=2012	-0.26***	0.00	-0.39***	-0.35***	0.02
	(0.05)	(0.10)	(0.06)	(0.08)	(0.42)
(sum) total_enroll	0.00	-0.00	0.00	0.00*	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Constant	5.44***	4.98***	4.10***	1.78***	0.89
	(0.44)	(0.45)	(0.46)	(0.47)	(1.27)

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

Service Util: Observation (log counts)

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
hhi_hosp	0.96	-0.66	0.42	0.78	-3.63
	(2.14)	(2.43)	(2.33)	(1.39)	(2.24)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	0.03	-0.16	-0.20	0.01	0.28
	(0.14)	(0.16)	(0.21)	(0.09)	(0.17)
year=2008	0.15	-0.05	-0.14	0.10	0.53
	(0.18)	(0.20)	(0.24)	(0.13)	(0.33)
year=2009	0.41	0.17	0.12	0.12	0.45
	(0.23)	(0.28)	(0.28)	(0.16)	(0.29)
year=2010	0.88**	0.44	0.48	0.18	0.98
	(0.26)	(0.34)	(0.30)	(0.17)	(0.67)
year=2011	1.43***	0.58	0.60	0.37	1.05
	(0.25)	(0.37)	(0.34)	(0.22)	

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
					(0.69)
year=2012	1.69***	0.82*	0.81*	0.46	1.24
	(0.30)	(0.40)	(0.34)	(0.25)	(0.79)
(sum) total_enroll	-0.00***	-0.00	-0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Constant	4.27***	3.46*	3.42*	0.91	4.07
	(1.12)	(1.59)	(1.42)	(0.77)	(2.67)

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

Service Util: Organ Acquisition (log counts)

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
hhi_hosp	0.53	0.20	0.34	-0.08	0.00
	(0.68)	(0.47)	(0.59)	(0.22)	(.)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	0.02	0.02	0.04	-0.02	0.00
	(0.02)	(0.03)	(0.04)	(0.03)	(.)
year=2008	-0.02	-0.04	0.04	-0.04	0.00
	(0.04)	(0.03)	(0.04)	(0.02)	(.)
year=2009	-0.04	-0.03	-0.02	-0.01	0.00
	(0.06)	(0.03)	(0.05)	(0.04)	(.)
year=2010	-0.04	-0.01	-0.04	0.01	0.00
	(0.08)	(0.03)	(0.06)	(0.04)	(.)
year=2011	-0.03	0.03	-0.01	-0.04	0.00
	(0.09)	(0.05)	(0.07)	(0.02)	(.)
year=2012	-0.14	-0.06	-0.12	-0.03	0.00
	(0.17)	(0.07)	(0.13)	(0.03)	(.)
(sum) total_enroll	0.00	-0.00	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(.)
Constant	0.48	0.74**	0.48	-0.54	0.00
	(0.58)	(0.26)	(0.50)	(0.61)	(.)

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

Service Util: Other implants (log counts)

	NoCharge b/se	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se
hhi_hosp	-3.36	-1.03	-2.00*	0.03	-0.46
	(1.80)	(1.21)	(0.88)	(1.26)	(0.83)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	0.28	0.14*	0.15*	0.13**	0.18**
	(0.26)	(0.06)	(0.06)	(0.05)	(0.06)
year=2008	0.29	0.24**	0.36***	0.24**	0.33**
	(0.32)	(0.08)	(0.09)	(0.07)	(0.10)
year=2009	0.70	0.19*	0.45***	0.20*	0.19*
	(0.43)	(0.10)	(0.07)	(0.09)	(0.08)
year=2010	0.70	0.20	0.58***	0.17	0.11
	(0.70)	(0.13)	(0.11)	(0.13)	(0.11)
year=2011	0.72	0.34**	0.77***	0.31**	0.15
	(0.69)	(0.11)	(0.09)	(0.10)	(0.11)
year=2012	1.01	0.30*	0.74***	0.23	0.09
	(0.72)	(0.14)	(0.09)	(0.12)	(0.12)
(sum) total_enroll	-0.00	0.00	0.00	0.00	0.00*
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Constant	3.81	4.46***	4.25***	4.01***	1.33
	(2.11)	(1.18)	(1.05)	(1.11)	(0.91)

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

Service Util: Radiology/Chemotherapy (log counts)

	NoCharge b/se	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se
hhi_hosp	0.62	-0.22	-0.75	0.02	1.93*
	(1.15)	(0.74)	(1.08)	(0.87)	(0.76)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	0.31	-0.06**	-0.09**	-0.12	-0.07

	(0.02)	(0.03)	(0.07)	(0.10)
> (0.29)				
year=2008	-0.04	0.03	-0.14**	0.04
> -0.05				
	(0.03)	(0.05)	(0.04)	(0.11)
> (0.10)				
year=2009	-0.11***	-0.03	-0.23***	-0.08
> -0.02				
	(0.03)	(0.05)	(0.05)	(0.10)
> (0.13)				
year=2010	-0.16**	0.04	-0.26***	-0.18
> 0.18				
	(0.05)	(0.07)	(0.07)	(0.12)
> (0.28)				
year=2011	-0.20***	0.02	-0.29***	-0.24
> 0.53				
	(0.05)	(0.08)	(0.07)	(0.12)
> (0.58)				
year=2012	-0.29***	-0.00	-0.43***	-0.22
> 0.04				
	(0.07)	(0.09)	(0.06)	(0.15)
> (0.20)				
(sum) total_enroll	0.00	-0.00	0.00	0.00
> -0.00				
	(0.00)	(0.00)	(0.00)	(0.00)
> (0.00)				
Constant	3.85***	4.16***	3.87***	0.60
> 0.48				
	(0.37)	(0.47)	(0.42)	(0.43)
> (0.71)				

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

6 . . . **Medicaid services** . . .

Service Util: Emergency Department (proportions)

> NoCharge	Medicare	Medicaid	PrivIns	SelfPay
> b/se	b/se	b/se	b/se	b/se
hhi_hosp	-0.15*	-0.11*	0.22**	0.04
> -0.01				
	(0.07)	(0.05)	(0.07)	(0.03)
> (0.01)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.01	-0.01*	-0.01	0.00*
> 0.00				
	(0.01)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2008	0.02	-0.01	-0.01*	0.01**
> 0.00				
	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
year=2009	0.00	0.01	-0.02**	0.01*
> 0.00				
	(0.01)	(0.01)	(0.01)	(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***	-0.03***	-0.01**
> 0.00				
	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				

	Medicare	Medicaid	PrivIns	SelfPay	NoCharge
year=2012	0.01	0.03***	-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	0.41***	0.35***	0.12***	0.09**	0.01
	(0.04)	(0.05)	(0.03)	(0.03)	(0.01)

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

Service Util: Mental Health/Substance Abuse (proportions)

	Medicare	Medicaid	PrivIns	SelfPay	NoCharge
	b/se	b/se	b/se	b/se	b/se
hhi_hosp	0.20	-0.29	0.08	0.02	0.00
	(0.17)	(0.18)	(0.13)	(0.07)	(0.01)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	-0.01	-0.00	-0.00	0.01**	-0.00
	(0.01)	(0.01)	(0.01)	(0.00)	(0.00)
year=2008	-0.01	0.00	-0.00	0.01	0.00
	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
year=2009	-0.02*	0.03	0.01	-0.01	0.00
	(0.01)	(0.02)	(0.01)	(0.01)	(0.00)
year=2010	-0.02*	0.07***	-0.01	-0.03**	0.00
	(0.01)	(0.02)	(0.01)	(0.01)	(0.00)
year=2011	-0.01	0.06***	-0.01	-0.02*	0.00
	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
year=2012	-0.01	0.08***	-0.01	-0.05***	0.00
	(0.01)	(0.02)	(0.01)	(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	0.14*	0.81***	0.11	-0.05	0.01
	(0.06)	(0.07)	(0.08)	(0.05)	(0.01)

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

Service Util: Newborn (proportions)

| > NoCharge | Medicare | Medicaid | PrivIns | SelfPay |
| | b/se | b/se | b/se | b/se |
> b/se				
hhi_hosp	0.02	-0.83	0.65	0.17
> 0.02				
	(0.02)	(0.41)	(0.41)	(0.14)
> (0.02)				
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)	(0.01)	(0.01)	(0.01)
> (0.00)				
year=2008	0.00	0.01	-0.02	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)	(0.01)	(0.01)
> (0.00)				
year=2010	-0.00	0.02	-0.06***	0.04
> 0.00				
	(0.00)	(0.02)	(0.01)	(0.02)
> (0.00)				
year=2011	-0.00	0.07***	-0.07***	0.01
> 0.00				
	(0.00)	(0.02)	(0.02)	(0.01)
> (0.00)				
year=2012	-0.00	0.08**	-0.09***	0.01
> 0.00				
	(0.00)	(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	-0.01	0.65**	0.07	0.26*
> -0.00				
	(0.01)	(0.24)	(0.18)	(0.11)
> (0.01)				

* p<0.05, ** p<0.01, *** p<0.001
7 . . . **Private insurance services** . . .

Service Util: Cardiac Cath. Lab (proportions)

| > NoCharge | Medicare | Medicaid | PrivIns | SelfPay |
| | b/se | b/se | b/se | b/se |
> b/se				
hhi_hosp	-0.20	-0.14	0.29	0.07
> -0.02*				
	(0.16)	(0.08)	(0.15)	(0.04)
> (0.01)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.01	-0.01	-0.00	0.01*

	NoCharge b/se	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se
	0.00				
	(0.00)	(0.01)	(0.01)	(0.01)	(0.00)
year=2008	0.00	-0.00	-0.00	0.00	0.01**
	(0.00)	(0.02)	(0.01)	(0.02)	(0.00)
year=2009	0.00**	0.01	0.01	-0.03**	0.01*
	(0.00)	(0.01)	(0.01)	(0.01)	(0.00)
year=2010	0.01*	0.01	0.01	-0.04**	0.01
	(0.00)	(0.01)	(0.01)	(0.01)	(0.00)
year=2011	0.01*	0.03*	0.02*	-0.05***	0.01
	(0.00)	(0.01)	(0.01)	(0.01)	(0.00)
year=2012	0.01*	0.03	0.02	-0.06***	0.00
	(0.00)	(0.02)	(0.01)	(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	0.03*	0.61***	0.22***	0.09	0.05
	(0.01)	(0.10)	(0.06)	(0.07)	(0.02)

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

Service Util: Nuclear Medicine (proportions)

	NoCharge b/se	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se
hhi_hosp	0.00	-0.12	-0.12*	0.13	0.07**
	(0.00)	(0.07)	(0.05)	(0.07)	(0.02)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	0.00	-0.01*	-0.00	0.00	0.00**
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
year=2008	-0.00	-0.01*	0.00	-0.00	0.01**
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
year=2009	0.00*	-0.01	0.01	-0.00	0.01**
	(0.00)	(0.01)	(0.00)	(0.01)	(0.00)
year=2010	0.00	-0.00	0.02**	-0.02**	0.01
	(0.00)	(0.01)	(0.01)	(0.01)	(0.00)
year=2011	0.00	0.00	0.02***	-0.02***	-0.00
	(0.00)	(0.01)	(0.01)	(0.01)	(0.00)

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
year=2012	0.01	0.02***	-0.03***	-0.00	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	0.58***	0.23***	0.15***	0.04	0.00
	(0.04)	(0.04)	(0.04)	(0.02)	(0.01)

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

Service Util: Observation (proportions)

	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se	NoCharge b/se
hhi_hosp	-0.22	-0.34	0.28	0.23	-0.01
	(0.42)	(0.31)	(0.33)	(0.16)	(0.01)
year=2006	0.00	0.00	0.00	0.00	0.00
	(.)	(.)	(.)	(.)	(.)
year=2007	0.07	-0.05	-0.01	0.00	-0.00
	(0.08)	(0.04)	(0.05)	(0.01)	(0.00)
year=2008	0.07	-0.04	-0.11*	0.08	0.00***
	(0.07)	(0.05)	(0.05)	(0.06)	(0.00)
year=2009	0.05	-0.02	-0.03	0.01	-0.00
	(0.04)	(0.04)	(0.03)	(0.03)	(0.00)
year=2010	0.08	-0.02	-0.05	0.01	0.00
	(0.06)	(0.04)	(0.04)	(0.02)	(0.00)
year=2011	0.25**	-0.03	-0.17***	-0.03	0.00*
	(0.08)	(0.04)	(0.05)	(0.05)	(0.00)
year=2012	0.20*	-0.04	-0.18***	0.03	0.00*
	(0.08)	(0.04)	(0.05)	(0.03)	(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	0.54*	0.33	0.01	0.09	0.02*
	(0.23)	(0.18)	(0.16)	(0.15)	(0.01)

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

Service Util: Organ Acquisition (proportions)

> NoCharge > b/se	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se
hhi_hosp > 0.00	0.97	-0.51	-0.45	0.04
> (.)	(0.55)	(0.39)	(0.57)	(0.04)
year=2006 > 0.00	0.00	0.00	0.00	0.00
> (.)	(.)	(.)	(.)	(.)
year=2007 > 0.00	-0.01	-0.00	0.01	0.00
> (.)	(0.03)	(0.03)	(0.03)	(0.01)
year=2008 > 0.00	-0.05	0.01	0.06	-0.00**
> (.)	(0.03)	(0.03)	(0.03)	(0.00)
year=2009 > 0.00	0.02	0.00	-0.00	-0.00*
> (.)	(0.04)	(0.02)	(0.03)	(0.00)
year=2010 > 0.00	-0.01	0.03	-0.02	0.00
> (.)	(0.04)	(0.02)	(0.03)	(0.00)
year=2011 > 0.00	-0.02	0.05	-0.02	-0.00
> (.)	(0.04)	(0.02)	(0.04)	(0.00)
year=2012 > 0.00	-0.02	0.04	-0.02	-0.00
> (.)	(0.04)	(0.03)	(0.05)	(0.00)
(sum) total_enroll > 0.00	0.00	-0.00	0.00	0.00
> (.)	(0.00)	(0.00)	(0.00)	(0.00)
Constant > 0.00	-0.09	0.64	0.34	-0.01
> (.)	(0.38)	(0.33)	(0.36)	(0.02)

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

Service Util: Other implants (proportions)

> NoCharge > b/se	Medicare b/se	Medicaid b/se	PrivIns b/se	SelfPay b/se
hhi_hosp > -0.01	-0.13	-0.13*	0.31**	-0.03
> (0.01)	(0.09)	(0.06)	(0.10)	(0.04)
year=2006 > 0.00	0.00	0.00	0.00	0.00
> (.)	(.)	(.)	(.)	(.)
year=2007 > 0.00	-0.01	0.00	0.01	0.00

	Medicare	Medicaid	PrivIns	SelfPay
> (0.00)	(0.01)	(0.00)	(0.01)	(0.00)
year=2008	-0.02*	0.01	0.00	0.00
> 0.00				
	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2009	-0.02**	0.02***	-0.00	0.00*
> 0.00**				
	(0.01)	(0.00)	(0.00)	(0.00)
> (0.00)				
year=2010	-0.02*	0.02***	-0.01*	0.00
> 0.00				
	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2011	-0.02*	0.03***	-0.02**	0.00
> 0.00				
	(0.01)	(0.00)	(0.01)	(0.00)
> (0.00)				
year=2012	-0.01	0.03***	-0.02**	-0.00
> 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	0.53***	0.17***	0.22***	0.04
> 0.01				
	(0.05)	(0.05)	(0.05)	(0.03)
> (0.01)				

* 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	-0.17	-0.13	0.15	0.11
> -0.01				
	(0.17)	(0.16)	(0.14)	(0.05)
> (0.02)				
year=2006	0.00	0.00	0.00	0.00
> 0.00				
	(.)	(.)	(.)	(.)
> (.)				
year=2007	0.01	-0.00	0.00	-0.00
> 0.00				
	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
year=2008	0.01	0.01	-0.01	-0.00
> -0.00				
	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
year=2009	0.02*	0.01	-0.03***	0.01
> 0.00				
	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
year=2010	0.02	0.01	-0.03***	0.00
> 0.00				
	(0.01)	(0.01)	(0.01)	(0.00)
> (0.00)				
year=2011	0.02	0.01	-0.03**	-0.01
> 0.01				
	(0.01)	(0.01)	(0.01)	(0.00)
> (0.01)				
year=2012	0.03	0.03	-0.04***	-0.01*

> 0.00				
	(0.02)	(0.02)	(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	0.42***	0.29***	0.24**	0.01
> 0.02				
	(0.10)	(0.08)	(0.07)	(0.04)
> (0.02)				

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

```
8  .
9  .
10. ******************************************
11. * Log close
12. log close
        name:  <unnamed>
         log:  /gpfs/scratch/azc211/ny_mergers/logs/hcup_outcomes_hhi_hosp_aweight_20190
  > 328.smcl
    log type:  smcl
   closed on:  28 Mar 2019, 18:28:03
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