



```

name: <unnamed>
log: /gpfs/scratch/azc211/ny_mergers/logs/fe_util_hhi_20190314.smcl
log type: smcl
opened on: 14 Mar 2019, 13:02:46

```

```

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

```

```

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

```

```

* * * DISCHARGES * * *

```

Discharges (log counts)

| | Medicare | Medicaid | PrivIns | SelfPay |
|------------------|----------|----------|----------|---------|
| > NoCharge | b/se | b/se | b/se | b/se |
| > b/se | | | | |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| > (.) | (.) | (.) | (.) | (.) |
| post_anytarget=1 | 0.02 | 0.09 | 0.07 | 0.05 |
| > 0.03 | | | | |
| > (0.39) | (0.03) | (0.09) | (0.06) | (0.09) |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| > (.) | (.) | (.) | (.) | (.) |
| year=2007 | -0.04* | -0.04 | 0.02 | 0.06 |
| > 0.29 | | | | |
| > (0.32) | (0.02) | (0.03) | (0.02) | (0.04) |
| year=2008 | -0.02 | -0.00 | -0.03 | 0.01 |
| > -0.10 | | | | |
| > (0.50) | (0.02) | (0.04) | (0.03) | (0.06) |
| year=2009 | -0.04 | 0.04 | -0.05 | -0.07 |
| > 0.50 | | | | |
| > (0.34) | (0.03) | (0.04) | (0.03) | (0.06) |
| year=2010 | -0.11* | 0.00 | -0.17*** | -0.17* |
| > -0.09 | | | | |
| > (0.74) | (0.05) | (0.05) | (0.04) | (0.08) |
| year=2011 | -0.08 | 0.05 | -0.15** | -0.25** |
| > -0.18 | | | | |
| > (0.93) | (0.04) | (0.05) | (0.05) | (0.09) |
| year=2012 | -0.11** | -0.00 | -0.19*** | -0.26** |
| > 0.41 | | | | |
| > (0.67) | (0.04) | (0.05) | (0.05) | (0.08) |
| Constant | 7.89*** | 6.85*** | 7.48*** | 5.43*** |
| > 2.71*** | | | | |
| > (0.46) | (0.02) | (0.03) | (0.03) | (0.05) |

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

Discharges (proportions)

| | Medicare | Medicaid | PrivIns | SelfPay |
|------------------|----------|----------|---------|---------|
| NoCharge | b/se | b/se | b/se | b/se |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | -0.01 | 0.00 | 0.01 | -0.00 |
| > 0.00 | (0.01) | (0.01) | (0.01) | (0.01) |
| > (0.00) | | | | |
| 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 | -0.00 | 0.00 | -0.00 | 0.00 |
| > -0.00 | (0.00) | (0.00) | (0.01) | (0.00) |
| > (0.00) | | | | |
| year=2009 | -0.01 | 0.01* | -0.01 | -0.00 |
| > 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) | (0.01) | (0.01) | (0.00) |
| > (0.00) | | | | |
| year=2011 | 0.00 | 0.03*** | -0.02** | -0.01** |
| > -0.00 | (0.01) | (0.01) | (0.01) | (0.01) |
| > (0.00) | | | | |
| year=2012 | 0.01 | 0.02*** | -0.03** | -0.02** |
| > 0.00 | (0.01) | (0.01) | (0.01) | (0.01) |
| > (0.00) | | | | |
| Constant | 0.43*** | 0.18*** | 0.31*** | 0.05*** |
| > 0.01*** | (0.00) | (0.00) | (0.00) | (0.00) |
| > (0.00) | | | | |

* p<0.05, ** p<0.01, *** p<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 |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | -0.23* | -0.09 | -0.11 | -0.07 |
| > 0.07 | (0.11) | (0.10) | (0.10) | (0.10) |
| > (0.37) | | | | |

| | | | | |
|-----------|---------|---------|---------|---------|
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| year=2007 | -0.04 | 0.03 | 0.06 | 0.08 |
| > 0.60 | | | | |
| | (0.05) | (0.04) | (0.03) | (0.05) |
| > (0.35) | | | | |
| year=2008 | -0.00 | 0.10 | 0.06 | 0.06 |
| > -0.03 | | | | |
| | (0.09) | (0.09) | (0.09) | (0.10) |
| > (0.63) | | | | |
| year=2009 | -0.04 | 0.14 | 0.02 | -0.02 |
| > 0.82 | | | | |
| | (0.12) | (0.11) | (0.12) | (0.12) |
| > (0.45) | | | | |
| year=2010 | -0.03 | 0.16 | -0.04 | -0.09 |
| > 0.12 | | | | |
| | (0.14) | (0.13) | (0.14) | (0.13) |
| > (0.80) | | | | |
| year=2011 | 0.07 | 0.29* | 0.06 | -0.11 |
| > -0.06 | | | | |
| | (0.11) | (0.12) | (0.12) | (0.12) |
| > (0.95) | | | | |
| year=2012 | 0.14 | 0.29** | 0.07 | -0.10 |
| > 0.70 | | | | |
| | (0.10) | (0.11) | (0.11) | (0.12) |
| > (0.72) | | | | |
| Constant | 7.30*** | 5.86*** | 6.55*** | 4.84*** |
| > 2.06*** | | | | |
| | (0.07) | (0.07) | (0.07) | (0.08) |
| > (0.52) | | | | |

* 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 | | | | |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | 0.12 | 0.03 | 0.04 | -0.01 |
| > -0.27 | | | | |
| | (0.10) | (0.13) | (0.13) | (0.12) |
| > (0.22) | | | | |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| year=2007 | -0.00 | -0.01 | -0.01 | 0.02 |
| > 0.08 | | | | |
| | (0.04) | (0.04) | (0.04) | (0.06) |
| > (0.36) | | | | |
| year=2008 | 0.02 | -0.02 | 0.08 | 0.00 |
| > 0.18 | | | | |
| | (0.05) | (0.05) | (0.05) | (0.07) |
| > (0.23) | | | | |
| year=2009 | 0.01 | 0.06 | 0.07 | -0.04 |
| > 0.42 | | | | |
| | (0.06) | (0.06) | (0.06) | (0.08) |
| > (0.25) | | | | |
| year=2010 | -0.01 | 0.09 | -0.00 | -0.10 |
| > 0.34 | | | | |
| | (0.06) | (0.07) | (0.07) | (0.09) |

| | | | | | |
|-----------|--------|---------|---------|---------|---------|
| > | (0.40) | | | | |
| year=2011 | | -0.05 | 0.06 | 0.03 | -0.17 |
| > | 0.22 | | | | |
| | | (0.06) | (0.07) | (0.07) | (0.09) |
| > | (0.43) | | | | |
| year=2012 | | -0.09 | 0.05 | -0.03 | -0.27* |
| > | 0.32 | | | | |
| | | (0.08) | (0.08) | (0.09) | (0.11) |
| > | (0.41) | | | | |
| Constant | | 3.63*** | 3.96*** | 3.54*** | 2.91*** |
| > | 0.74* | | | | |
| | | (0.04) | (0.04) | (0.04) | (0.06) |
| > | (0.27) | | | | |

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

Medicaid Service Util: Newborn (log counts)

| | Medicare | Medicaid | PrivIns | SelfPay |
|------------------|----------|----------|---------|---------|
| NoCharge | b/se | b/se | b/se | b/se |
| b/se | | | | |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > | 0.00 | | | |
| | (.) | (.) | (.) | (.) |
| > | (.) | | | |
| post_anytarget=1 | -0.05 | 0.15 | 0.18 | -0.08 |
| > | 0.07 | | | |
| | (0.08) | (0.16) | (0.19) | (0.14) |
| > | (0.20) | | | |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > | 0.00 | | | |
| | (.) | (.) | (.) | (.) |
| > | (.) | | | |
| year=2007 | 0.01 | -0.05 | -0.04 | 0.05 |
| > | 0.44 | | | |
| | (0.02) | (0.03) | (0.02) | (0.04) |
| > | (0.28) | | | |
| year=2008 | -0.01 | 0.00 | -0.02 | 0.08 |
| > | 0.36 | | | |
| | (0.03) | (0.06) | (0.07) | (0.05) |
| > | (0.25) | | | |
| year=2009 | 0.01 | 0.05 | 0.00 | 0.09 |
| > | 0.44 | | | |
| | (0.04) | (0.06) | (0.06) | (0.05) |
| > | (0.27) | | | |
| year=2010 | -0.04 | 0.08 | 0.03 | 0.09 |
| > | 0.30 | | | |
| | (0.03) | (0.06) | (0.06) | (0.07) |
| > | (0.32) | | | |
| year=2011 | -0.06 | 0.10 | -0.00 | -0.01 |
| > | 0.31 | | | |
| | (0.04) | (0.08) | (0.10) | (0.08) |
| > | (0.32) | | | |
| year=2012 | -0.06 | 0.11 | 0.01 | -0.05 |
| > | 0.12 | | | |
| | (0.04) | (0.10) | (0.11) | (0.09) |
| > | (0.11) | | | |
| Constant | 0.07* | 1.72*** | 1.75*** | 0.79*** |
| > | -0.12 | | | |
| | (0.03) | (0.05) | (0.06) | (0.04) |
| > | (0.20) | | | |

* 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 | | | | |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | (.) | (.) | (.) | (.) |
| post_anytarget=1 | -0.17* | 0.01 | -0.08 | -0.05 |
| > -0.11 | (0.07) | (0.06) | (0.07) | (0.08) |
| > (0.17) | (0.07) | (0.06) | (0.07) | (0.08) |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | (.) | (.) | (.) | (.) |
| year=2007 | -0.00 | 0.01 | 0.00 | 0.03 |
| > 0.26 | (0.04) | (0.04) | (0.04) | (0.04) |
| > (0.16) | (0.04) | (0.04) | (0.04) | (0.04) |
| year=2008 | 0.02 | 0.07 | 0.05 | 0.03 |
| > 0.26 | (0.07) | (0.05) | (0.05) | (0.04) |
| > (0.16) | (0.07) | (0.05) | (0.05) | (0.04) |
| year=2009 | 0.04 | 0.08 | 0.02 | 0.06 |
| > 0.20 | (0.07) | (0.04) | (0.06) | (0.04) |
| > (0.20) | (0.07) | (0.04) | (0.06) | (0.04) |
| year=2010 | 0.02 | 0.07 | 0.02 | 0.02 |
| > 0.33 | (0.09) | (0.06) | (0.08) | (0.06) |
| > (0.34) | (0.09) | (0.06) | (0.08) | (0.06) |
| year=2011 | -0.05 | 0.01 | -0.12 | 0.01 |
| > 0.31 | (0.10) | (0.07) | (0.09) | (0.06) |
| > (0.32) | (0.10) | (0.07) | (0.09) | (0.06) |
| year=2012 | -0.01 | 0.01 | -0.07 | -0.05 |
| > 0.34 | (0.09) | (0.06) | (0.08) | (0.07) |
| > (0.36) | (0.09) | (0.06) | (0.08) | (0.07) |
| Constant | 2.23*** | 1.51*** | 1.96*** | 1.14*** |
| > 0.13 | (0.06) | (0.04) | (0.05) | (0.03) |
| > (0.20) | (0.06) | (0.04) | (0.05) | (0.03) |

* 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 |
| b/se | | | | |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | (.) | (.) | (.) | (.) |
| post_anytarget=1 | -0.02 | 0.07 | -0.05 | -0.05 |
| > -0.04 | (0.05) | (0.07) | (0.06) | (0.07) |
| > (0.27) | (0.05) | (0.07) | (0.06) | (0.07) |

| | | | | |
|-----------|----------|---------|----------|----------|
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| year=2007 | -0.05* | -0.04 | -0.00 | -0.01 |
| > -0.11 | (0.02) | (0.05) | (0.04) | (0.06) |
| > (0.16) | | | | |
| year=2008 | -0.09*** | -0.01 | -0.07 | -0.02 |
| > -0.38 | (0.03) | (0.05) | (0.04) | (0.07) |
| > (0.46) | | | | |
| year=2009 | -0.16*** | -0.03 | -0.13* | -0.09 |
| > 0.22 | (0.04) | (0.05) | (0.06) | (0.08) |
| > (0.25) | | | | |
| year=2010 | -0.23*** | -0.07 | -0.29*** | -0.22** |
| > -0.23 | (0.05) | (0.06) | (0.07) | (0.08) |
| > (0.41) | | | | |
| year=2011 | -0.24*** | -0.10 | -0.26*** | -0.25** |
| > -0.31 | (0.04) | (0.06) | (0.05) | (0.08) |
| > (0.50) | | | | |
| year=2012 | -0.31*** | -0.16* | -0.35*** | -0.31*** |
| > -0.29 | (0.04) | (0.07) | (0.06) | (0.09) |
| > (0.39) | | | | |
| Constant | 4.83*** | 3.21*** | 4.03*** | 2.26*** |
| > 0.85** | (0.03) | (0.04) | (0.04) | (0.05) |
| > (0.29) | | | | |

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

Private Insurance Service Util: Observation (log counts)

| | Medicare | Medicaid | PrivIns | SelfPay |
|------------------|----------|----------|---------|---------|
| NoCharge | b/se | b/se | b/se | b/se |
| > b/se | | | | |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | -0.38* | -0.09 | 0.15 | 0.06 |
| > -0.27 | (0.18) | (0.16) | (0.18) | (0.10) |
| > (0.25) | | | | |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| year=2007 | 0.02 | 0.02 | 0.07 | 0.05 |
| > 0.15 | (0.08) | (0.09) | (0.09) | (0.05) |
| > (0.15) | | | | |
| year=2008 | 0.27* | 0.26* | 0.23 | 0.15 |
| > 0.29 | (0.10) | (0.12) | (0.12) | (0.09) |
| > (0.27) | | | | |
| year=2009 | 0.34** | 0.29* | 0.33* | 0.11 |
| > 0.20 | (0.12) | (0.13) | (0.13) | (0.09) |
| > (0.18) | | | | |
| year=2010 | 0.73*** | 0.53** | 0.55*** | 0.15 |
| > 0.49 | (0.16) | (0.16) | (0.16) | (0.11) |

| | | | | | |
|-----------|--------|---------|---------|---------|---------|
| > | (0.46) | | | | |
| year=2011 | | 1.14*** | 0.61*** | 0.67*** | 0.34** |
| > | 0.48 | | | | |
| | | (0.17) | (0.16) | (0.16) | (0.12) |
| > | (0.44) | | | | |
| year=2012 | | 1.57*** | 0.82*** | 0.88*** | 0.38** |
| > | 0.56 | | | | |
| | | (0.20) | (0.16) | (0.18) | (0.13) |
| > | (0.51) | | | | |
| Constant | | 0.81*** | 0.61*** | 0.85*** | 0.29*** |
| > | -0.09 | | | | |
| | | (0.09) | (0.10) | (0.10) | (0.07) |
| > | (0.27) | | | | |

* 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 | | | | |

| | | | | |
|------------------|---------|---------|---------|--------|
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > | 0.00 | | | |
| | (.) | (.) | (.) | (.) |
| > | (.) | | | |
| post_anytarget=1 | 0.06 | 0.01 | 0.01 | 0.04 |
| > | 0.00 | | | |
| | (0.06) | (0.03) | (0.02) | (0.03) |
| > | (.) | | | |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > | 0.00 | | | |
| | (.) | (.) | (.) | (.) |
| > | (.) | | | |
| year=2007 | 0.00 | 0.01 | 0.01 | -0.02 |
| > | 0.00 | | | |
| | (0.01) | (0.01) | (0.01) | (0.02) |
| > | (.) | | | |
| year=2008 | -0.02 | -0.00 | -0.01 | -0.04* |
| > | 0.00 | | | |
| | (0.02) | (0.01) | (0.02) | (0.02) |
| > | (.) | | | |
| year=2009 | -0.02 | -0.00 | -0.02 | -0.03 |
| > | 0.00 | | | |
| | (0.01) | (0.01) | (0.02) | (0.02) |
| > | (.) | | | |
| year=2010 | -0.03 | 0.00 | -0.02 | -0.01 |
| > | 0.00 | | | |
| | (0.02) | (0.02) | (0.02) | (0.02) |
| > | (.) | | | |
| year=2011 | -0.02 | 0.01 | -0.01 | -0.03 |
| > | 0.00 | | | |
| | (0.02) | (0.02) | (0.02) | (0.02) |
| > | (.) | | | |
| year=2012 | -0.04 | -0.02 | -0.04 | -0.01 |
| > | 0.00 | | | |
| | (0.04) | (0.03) | (0.03) | (0.02) |
| > | (.) | | | |
| Constant | 0.31*** | 0.22*** | 0.30*** | 0.04** |
| > | 0.00 | | | |
| | (0.01) | (0.01) | (0.01) | (0.01) |
| > | (.) | | | |

* 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 |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | -0.31** | -0.14 | -0.25* | -0.09 |
| > 0.27 | (0.12) | (0.11) | (0.11) | (0.11) |
| > (0.37) | | | | |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| year=2007 | 0.01 | 0.08 | 0.06 | 0.06 |
| > 0.04 | (0.06) | (0.06) | (0.06) | (0.05) |
| > (0.24) | | | | |
| year=2008 | 0.08 | 0.23** | 0.11 | 0.13* |
| > -0.08 | (0.09) | (0.07) | (0.09) | (0.06) |
| > (0.35) | | | | |
| year=2009 | 0.22 | 0.34*** | 0.21 | 0.12 |
| > 0.28 | (0.12) | (0.09) | (0.12) | (0.08) |
| > (0.32) | | | | |
| year=2010 | 0.37* | 0.56*** | 0.33* | 0.16 |
| > -0.07 | (0.16) | (0.13) | (0.16) | (0.12) |
| > (0.61) | | | | |
| year=2011 | 0.42** | 0.65*** | 0.37* | 0.19 |
| > -0.07 | (0.15) | (0.12) | (0.15) | (0.11) |
| > (0.62) | | | | |
| year=2012 | 0.46** | 0.67*** | 0.38* | 0.24 |
| > 0.37 | (0.15) | (0.13) | (0.15) | (0.12) |
| > (0.56) | | | | |
| Constant | 4.44*** | 2.72*** | 4.11*** | 1.98*** |
| > 0.66 | (0.08) | (0.07) | (0.09) | (0.06) |
| > (0.35) | | | | |

* 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 |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | 0.06 | 0.08 | 0.10 | -0.05 |
| > -0.09 | (0.11) | (0.13) | (0.11) | (0.09) |
| > (0.15) | | | | |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |

| | | | | |
|-------------|---------|---------|----------|---------|
| > | (.) | (.) | (.) | (.) |
| > year=2007 | -0.11* | -0.05 | -0.09 | -0.03 |
| > | 0.34 | | | |
| > | (0.05) | (0.05) | (0.05) | (0.07) |
| > year=2008 | -0.09 | 0.07 | -0.11* | 0.01 |
| > | 0.03 | | | |
| > | (0.05) | (0.06) | (0.05) | (0.06) |
| > year=2009 | -0.11* | -0.06 | -0.20** | -0.03 |
| > | 0.02 | | | |
| > | (0.05) | (0.05) | (0.07) | (0.06) |
| > year=2010 | -0.19* | -0.05 | -0.23** | -0.07 |
| > | 0.14 | | | |
| > | (0.07) | (0.06) | (0.08) | (0.07) |
| > year=2011 | -0.19* | -0.10 | -0.22** | -0.09 |
| > | 0.32 | | | |
| > | (0.07) | (0.06) | (0.08) | (0.08) |
| > year=2012 | -0.27** | -0.20** | -0.41*** | -0.12 |
| > | 0.08 | | | |
| > | (0.08) | (0.07) | (0.08) | (0.08) |
| > Constant | 2.57*** | 1.57*** | 2.15*** | 0.62*** |
| > | -0.03 | | | |
| > | (0.04) | (0.04) | (0.05) | (0.05) |
| > | (0.10) | | | |

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

5 . . . Medicaid services . . .

Medicaid Service Util: Emergency Department (proportions)

| > | NoCharge | Medicare | Medicaid | PrivIns | SelfPay |
|------------------|----------|----------|----------|---------|---------|
| > | b/se | b/se | b/se | b/se | b/se |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| > | 0.00 | | | | |
| > | (.) | (.) | (.) | (.) | (.) |
| post_anytarget=1 | -0.02 | 0.01 | 0.01 | 0.01 | -0.00 |
| > | 0.00 | | | | |
| > | (0.00) | (0.01) | (0.01) | (0.01) | (0.01) |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| > | 0.00 | | | | |
| > | (.) | (.) | (.) | (.) | (.) |
| year=2007 | -0.01* | -0.00 | 0.01 | 0.01 | 0.01 |
| > | 0.00 | | | | |
| > | (0.01) | (0.00) | (0.01) | (0.00) | (0.00) |
| year=2008 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| > | -0.00 | | | | |
| > | (0.01) | (0.00) | (0.01) | (0.00) | (0.00) |
| year=2009 | -0.01 | 0.01* | -0.00 | -0.00 | -0.00 |
| > | 0.00 | | | | |
| > | (0.01) | (0.00) | (0.01) | (0.00) | (0.00) |
| year=2010 | -0.01 | 0.01 | -0.00 | -0.00 | -0.00 |
| > | -0.00 | | | | |
| > | (0.01) | (0.01) | (0.01) | (0.00) | (0.00) |

| | | | | |
|-----------|---------|---------|---------|----------|
| year=2011 | -0.00 | 0.03*** | -0.01 | -0.02*** |
| > -0.00 | | | | |
| | (0.01) | (0.01) | (0.01) | (0.00) |
| > (0.00) | | | | |
| year=2012 | 0.00 | 0.02*** | -0.02* | -0.02** |
| > 0.01 | | | | |
| | (0.01) | (0.01) | (0.01) | (0.01) |
| > (0.01) | | | | |
| Constant | 0.52*** | 0.15*** | 0.26*** | 0.06*** |
| > 0.01** | | | | |
| | (0.01) | (0.00) | (0.01) | (0.00) |
| > (0.00) | | | | |

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

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

| | Medicare | Medicaid | PrivIns | SelfPay |
|------------------|----------|----------|---------|---------|
| | b/se | b/se | b/se | b/se |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | -0.01 | -0.01 | 0.02 | 0.01 |
| > -0.00 | | | | |
| | (0.01) | (0.02) | (0.02) | (0.01) |
| > (0.00) | | | | |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| year=2007 | 0.01 | 0.02 | -0.02 | -0.01 |
| > -0.01 | | | | |
| | (0.02) | (0.02) | (0.02) | (0.02) |
| > (0.01) | | | | |
| year=2008 | 0.00 | 0.00 | 0.02 | -0.02 |
| > -0.01 | | | | |
| | (0.02) | (0.02) | (0.02) | (0.02) |
| > (0.01) | | | | |
| year=2009 | -0.01 | 0.03 | 0.02 | -0.03 |
| > 0.00 | | | | |
| | (0.01) | (0.02) | (0.02) | (0.02) |
| > (0.01) | | | | |
| year=2010 | -0.00 | 0.05** | 0.00 | -0.04* |
| > -0.00 | | | | |
| | (0.02) | (0.02) | (0.02) | (0.02) |
| > (0.01) | | | | |
| year=2011 | 0.01 | 0.03 | 0.00 | -0.04* |
| > -0.00 | | | | |
| | (0.02) | (0.02) | (0.02) | (0.02) |
| > (0.01) | | | | |
| year=2012 | -0.01 | 0.06** | -0.01 | -0.05** |
| > -0.00 | | | | |
| | (0.02) | (0.02) | (0.02) | (0.02) |
| > (0.01) | | | | |
| Constant | 0.25*** | 0.36*** | 0.24*** | 0.12*** |
| > 0.01 | | | | |
| | (0.01) | (0.01) | (0.01) | (0.01) |
| > (0.01) | | | | |

* 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 |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | -0.00 | 0.05 | -0.01 | -0.03 |
| > 0.00 | (0.01) | (0.04) | (0.03) | (0.04) |
| > (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) | (0.01) | (0.02) | (0.01) |
| > (0.00) | | | | |
| year=2008 | -0.01 | 0.03 | -0.04** | 0.02 |
| > 0.00 | (0.01) | (0.02) | (0.01) | (0.01) |
| > (0.00) | | | | |
| year=2009 | -0.01 | 0.02 | -0.03* | 0.02* |
| > 0.00 | (0.01) | (0.02) | (0.01) | (0.01) |
| > (0.00) | | | | |
| year=2010 | -0.01 | 0.02 | -0.03 | 0.03 |
| > 0.00 | (0.01) | (0.02) | (0.02) | (0.02) |
| > (0.00) | | | | |
| year=2011 | -0.01 | 0.06* | -0.03 | -0.03 |
| > 0.00 | (0.01) | (0.03) | (0.04) | (0.02) |
| > (0.00) | | | | |
| year=2012 | -0.01 | 0.06 | -0.04 | -0.02 |
| > 0.00 | (0.01) | (0.03) | (0.03) | (0.03) |
| > (0.00) | | | | |
| Constant | 0.01 | 0.39*** | 0.49*** | 0.07*** |
| > -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 |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | -0.12** | 0.03 | 0.03 | 0.01 |
| > -0.00 | (0.04) | (0.02) | (0.02) | (0.01) |
| > (0.00) | | | | |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |

| | (.) | (.) | (.) | (.) |
|-----------|---------|---------|---------|---------|
| > 0.00 | | | | |
| > (.) | | | | |
| year=2007 | 0.00 | -0.02 | 0.00 | 0.01 |
| > 0.00*** | | | | |
| > (0.00) | (0.03) | (0.03) | (0.03) | (0.01) |
| year=2008 | -0.03 | -0.01 | 0.02 | 0.01 |
| > 0.00*** | | | | |
| > (0.00) | (0.04) | (0.02) | (0.03) | (0.01) |
| year=2009 | 0.01 | -0.01 | -0.04 | 0.02* |
| > 0.00 | | | | |
| > (0.00) | (0.04) | (0.02) | (0.03) | (0.01) |
| year=2010 | 0.02 | -0.01 | -0.02 | 0.01 |
| > 0.00 | | | | |
| > (0.00) | (0.03) | (0.02) | (0.03) | (0.01) |
| year=2011 | 0.10** | -0.02 | -0.08** | 0.01 |
| > 0.00 | | | | |
| > (0.00) | (0.03) | (0.02) | (0.03) | (0.01) |
| year=2012 | 0.04 | -0.02 | -0.05 | 0.01 |
| > 0.00 | | | | |
| > (0.00) | (0.03) | (0.02) | (0.02) | (0.01) |
| Constant | 0.52*** | 0.13*** | 0.29*** | 0.03*** |
| > 0.00 | | | | |
| > (0.00) | (0.03) | (0.02) | (0.02) | (0.01) |

* 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 | | | | |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| > (.) | (.) | (.) | (.) | (.) |
| post_anytarget=1 | 0.01 | 0.01 | -0.02 | -0.00 |
| > -0.00 | | | | |
| > (0.00) | (0.02) | (0.01) | (0.01) | (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 | | | | |
| > (0.00) | (0.01) | (0.00) | (0.01) | (0.00) |
| year=2008 | -0.01 | 0.01 | 0.00 | 0.00 |
| > -0.00 | | | | |
| > (0.00) | (0.01) | (0.00) | (0.01) | (0.00) |
| year=2009 | -0.02 | 0.01* | 0.00 | 0.00 |
| > 0.00 | | | | |
| > (0.00) | (0.01) | (0.00) | (0.01) | (0.00) |
| year=2010 | -0.00 | 0.01* | -0.01 | -0.00 |
| > -0.00 | | | | |
| > (0.00) | (0.01) | (0.00) | (0.01) | (0.00) |

| | | | | |
|-----------|---------|---------|---------|---------|
| year=2011 | -0.00 | 0.02** | -0.00 | -0.01* |
| > -0.00 | | | | |
| | (0.01) | (0.01) | (0.01) | (0.00) |
| > (0.00) | | | | |
| year=2012 | -0.00 | 0.02** | -0.01 | -0.01* |
| > -0.00 | | | | |
| | (0.01) | (0.01) | (0.01) | (0.01) |
| > (0.00) | | | | |
| Constant | 0.57*** | 0.11*** | 0.25*** | 0.04*** |
| > 0.01* | | | | |
| | (0.01) | (0.00) | (0.01) | (0.00) |
| > (0.00) | | | | |

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

Private Insurance Service Util: Observation (proportions)

| | Medicare | Medicaid | PrivIns | SelfPay |
|------------------|----------|----------|---------|---------|
| | b/se | b/se | b/se | b/se |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| post_anytarget=1 | -0.10 | 0.01 | 0.12** | -0.01 |
| > -0.01* | | | | |
| | (0.06) | (0.04) | (0.04) | (0.07) |
| > (0.00) | | | | |
| year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | | | | |
| | (.) | (.) | (.) | (.) |
| > (.) | | | | |
| year=2007 | -0.07 | 0.00 | 0.06 | 0.01 |
| > -0.01 | | | | |
| | (0.04) | (0.02) | (0.04) | (0.01) |
| > (0.00) | | | | |
| year=2008 | -0.02 | 0.02 | -0.01 | 0.00 |
| > -0.01 | | | | |
| | (0.04) | (0.02) | (0.05) | (0.02) |
| > (0.01) | | | | |
| year=2009 | -0.04 | 0.04 | 0.04 | -0.02 |
| > -0.01* | | | | |
| | (0.05) | (0.03) | (0.05) | (0.02) |
| > (0.00) | | | | |
| year=2010 | 0.01 | 0.02 | -0.02 | -0.02 |
| > -0.01 | | | | |
| | (0.05) | (0.03) | (0.05) | (0.02) |
| > (0.01) | | | | |
| year=2011 | 0.10 | 0.00 | -0.08 | -0.02 |
| > -0.01 | | | | |
| | (0.06) | (0.03) | (0.06) | (0.02) |
| > (0.01) | | | | |
| year=2012 | 0.13* | -0.02 | -0.09 | -0.03 |
| > 0.00 | | | | |
| | (0.06) | (0.03) | (0.06) | (0.02) |
| > (.) | | | | |
| Constant | 0.42*** | 0.15*** | 0.34*** | 0.06*** |
| > 0.02** | | | | |
| | (0.04) | (0.02) | (0.04) | (0.01) |
| > (0.00) | | | | |

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

Private Insurance Service Util: Organ Acquisition (proportions)

| | Medicare | Medicaid | PrivIns | SelfPay |
|------------------|----------|----------|---------|---------|
| NoCharge | b/se | b/se | b/se | b/se |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | 0.06 | 0.02 | -0.06 | 0.00 |
| post_anytarget=1 | (0.06) | (0.03) | (0.06) | (0.00) |
| > 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| > (.) | (.) | (.) | (.) | (.) |
| year=2006 | -0.05 | 0.03 | 0.03 | -0.01 |
| > 0.00 | (0.03) | (0.01) | (0.03) | (0.01) |
| > (.) | -0.05 | 0.03* | 0.03 | -0.01 |
| year=2007 | (0.07) | (0.01) | (0.08) | (0.01) |
| > 0.00 | 0.04 | 0.01 | -0.03 | -0.01 |
| > (.) | (0.09) | (0.01) | (0.08) | (0.01) |
| year=2008 | -0.03 | 0.03 | -0.00 | -0.01 |
| > 0.00 | (0.05) | (0.02) | (0.05) | (0.01) |
| > (.) | -0.06 | 0.03 | 0.01 | -0.02 |
| year=2009 | (0.04) | (0.02) | (0.05) | (0.01) |
| > 0.00 | -0.02 | 0.01 | 0.00 | -0.01 |
| > (.) | (0.04) | (0.03) | (0.05) | (0.01) |
| year=2010 | 0.46*** | 0.13*** | 0.37*** | 0.01 |
| > 0.00 | (0.05) | (0.01) | (0.06) | (0.01) |
| > (.) | | | | |

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

Private Insurance Service Util: Other implants (proportions)

| | Medicare | Medicaid | PrivIns | SelfPay |
|------------------|----------|----------|---------|---------|
| NoCharge | b/se | b/se | b/se | b/se |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | -0.02 | 0.01 | 0.01 | 0.00 |
| post_anytarget=1 | (0.02) | (0.01) | (0.02) | (0.00) |
| > 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| > (0.00) | | | | |
| year=2006 | | | | |
| > 0.00 | | | | |

| | | | | |
|-------------|---------|---------|---------|---------|
| | (.) | (.) | (.) | (.) |
| > year=2007 | -0.02 | -0.00 | 0.03 | -0.00 |
| > -0.00 | (0.02) | (0.01) | (0.02) | (0.00) |
| > (0.00) | -0.01 | -0.00 | 0.01 | -0.00 |
| > year=2008 | -0.01 | -0.00 | 0.01 | -0.00 |
| > -0.00 | (0.02) | (0.01) | (0.02) | (0.00) |
| > (0.00) | -0.01 | 0.01 | 0.00 | -0.00 |
| > year=2009 | -0.01 | 0.01 | 0.00 | -0.00 |
| > 0.00 | (0.02) | (0.01) | (0.02) | (0.00) |
| > (0.00) | -0.01 | 0.01* | -0.01 | -0.00 |
| > year=2010 | -0.01 | 0.01* | -0.01 | -0.00 |
| > -0.01 | (0.02) | (0.01) | (0.02) | (0.01) |
| > (0.00) | -0.00 | 0.02*** | -0.02 | -0.00 |
| > year=2011 | -0.00 | 0.02*** | -0.02 | -0.00 |
| > -0.01 | (0.02) | (0.01) | (0.01) | (0.01) |
| > (0.01) | -0.01 | 0.02*** | -0.02 | -0.01 |
| > year=2012 | -0.01 | 0.02*** | -0.02 | -0.01 |
| > 0.02 | (0.02) | (0.01) | (0.01) | (0.01) |
| > (0.02) | 0.51*** | 0.08*** | 0.34*** | 0.03*** |
| > Constant | 0.51*** | 0.08*** | 0.34*** | 0.03*** |
| > 0.01* | (0.01) | (0.00) | (0.01) | (0.00) |
| > (0.00) | (0.01) | (0.00) | (0.01) | (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 | b/se | b/se | b/se | b/se |
| post_anytarget=0 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | 0.00 | -0.01 | -0.00 | 0.01 |
| > post_anytarget=1 | 0.00 | -0.01 | -0.00 | 0.01 |
| > -0.00 | (0.03) | (0.02) | (0.02) | (0.01) |
| > (0.00) | 0.00 | 0.00 | 0.00 | 0.00 |
| > year=2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| > 0.00 | (.) | (.) | (.) | (.) |
| > (.) | 0.02 | -0.00 | 0.00 | -0.00 |
| > year=2007 | 0.02 | -0.00 | 0.00 | -0.00 |
| > 0.00 | (0.03) | (0.02) | (0.02) | (0.01) |
| > (0.00) | 0.01 | 0.00 | -0.00 | 0.00 |
| > year=2008 | 0.01 | 0.00 | -0.00 | 0.00 |
| > 0.00 | (0.02) | (0.02) | (0.02) | (0.01) |
| > (0.00) | 0.02 | -0.01 | -0.02 | 0.02 |
| > year=2009 | 0.02 | -0.01 | -0.02 | 0.02 |
| > 0.00 | (0.03) | (0.02) | (0.03) | (0.01) |
| > (0.00) | 0.01 | -0.02 | -0.01 | 0.00 |
| > year=2010 | 0.01 | -0.02 | -0.01 | 0.00 |
| > 0.00 | (0.03) | (0.02) | (0.03) | (0.01) |
| > (0.00) | 0.02 | -0.02 | 0.00 | 0.00 |
| > year=2011 | 0.02 | -0.02 | 0.00 | 0.00 |

| | | | | | |
|-----------|--------|---------|---------|---------|---------|
| > | 0.01 | | | | |
| | | (0.03) | (0.02) | (0.03) | (0.01) |
| > | (0.01) | | | | |
| year=2012 | | 0.06 | -0.03 | -0.02 | -0.01 |
| > | 0.00 | | | | |
| | | (0.03) | (0.02) | (0.02) | (0.01) |
| > | (0.00) | | | | |
| Constant | | 0.50*** | 0.16*** | 0.28*** | 0.02*** |
| > | -0.00 | | | | |
| | | (0.02) | (0.01) | (0.02) | (0.00) |
| > | (0.00) | | | | |

* 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_20190314.smcl
    log type: smcl
    closed on: 14 Mar 2019, 13:02:57

```
