

NY SID: Exploration of discharges and select utilization flags

March 07, 2019

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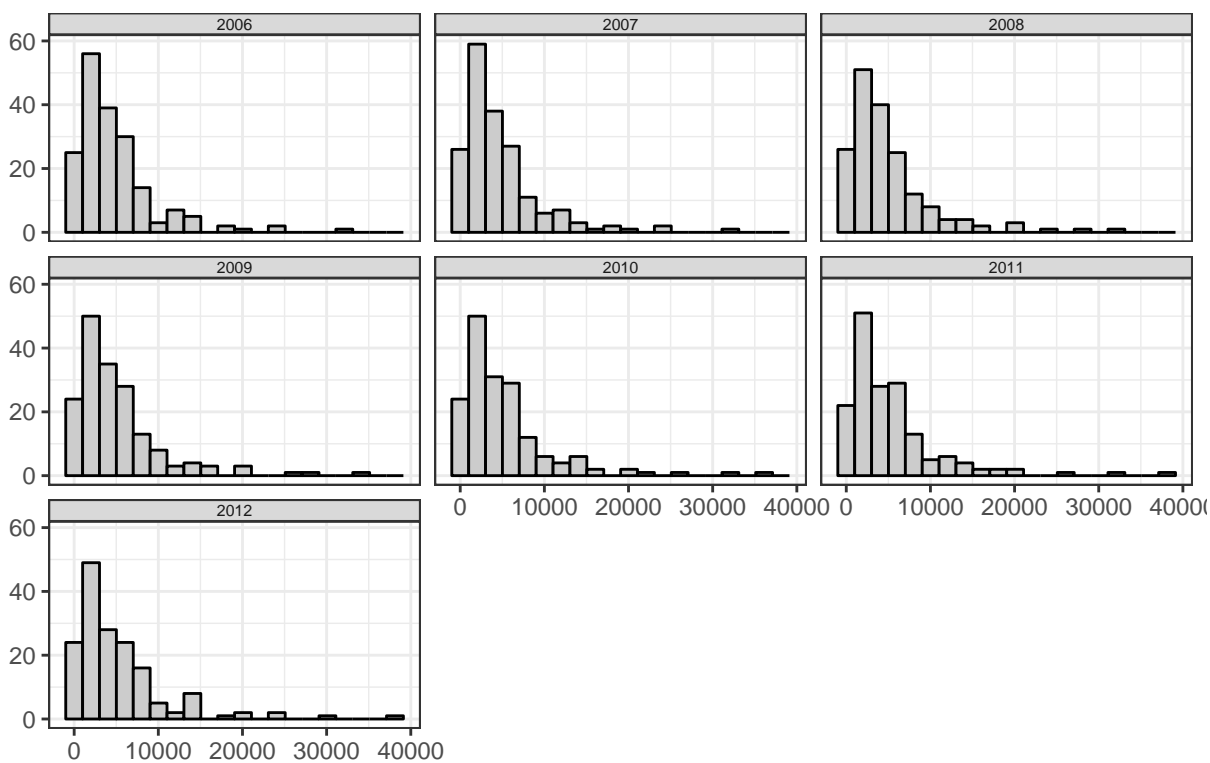
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Exploration of NY SID outcomes

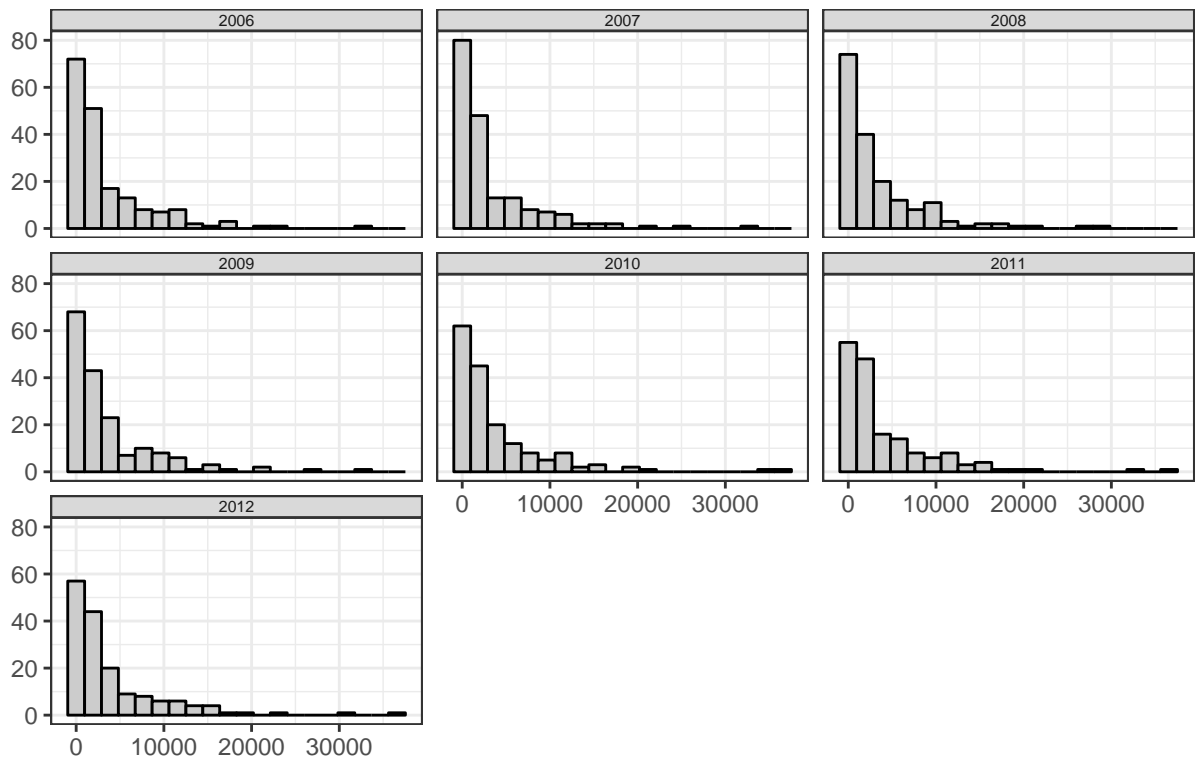
Distributions of outcomes by year

Note: unit of analysis is at hospital level

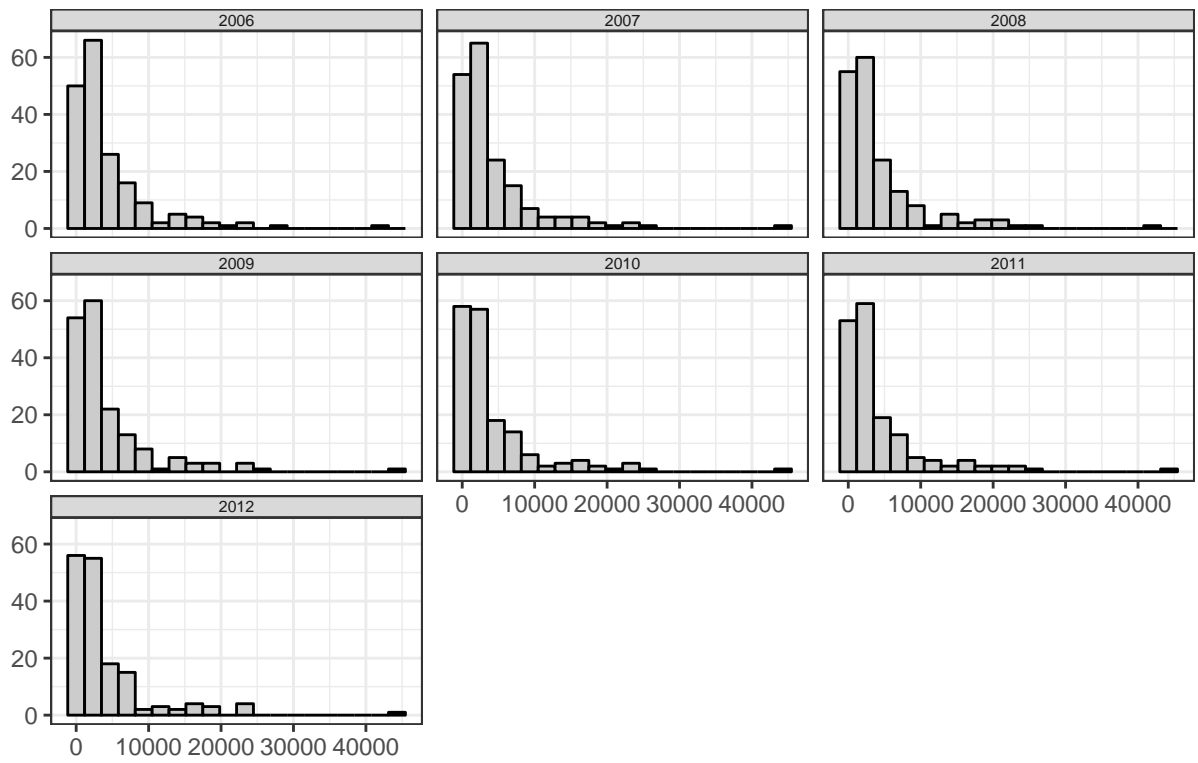
Histogram of Discharges (counts) – Medicare



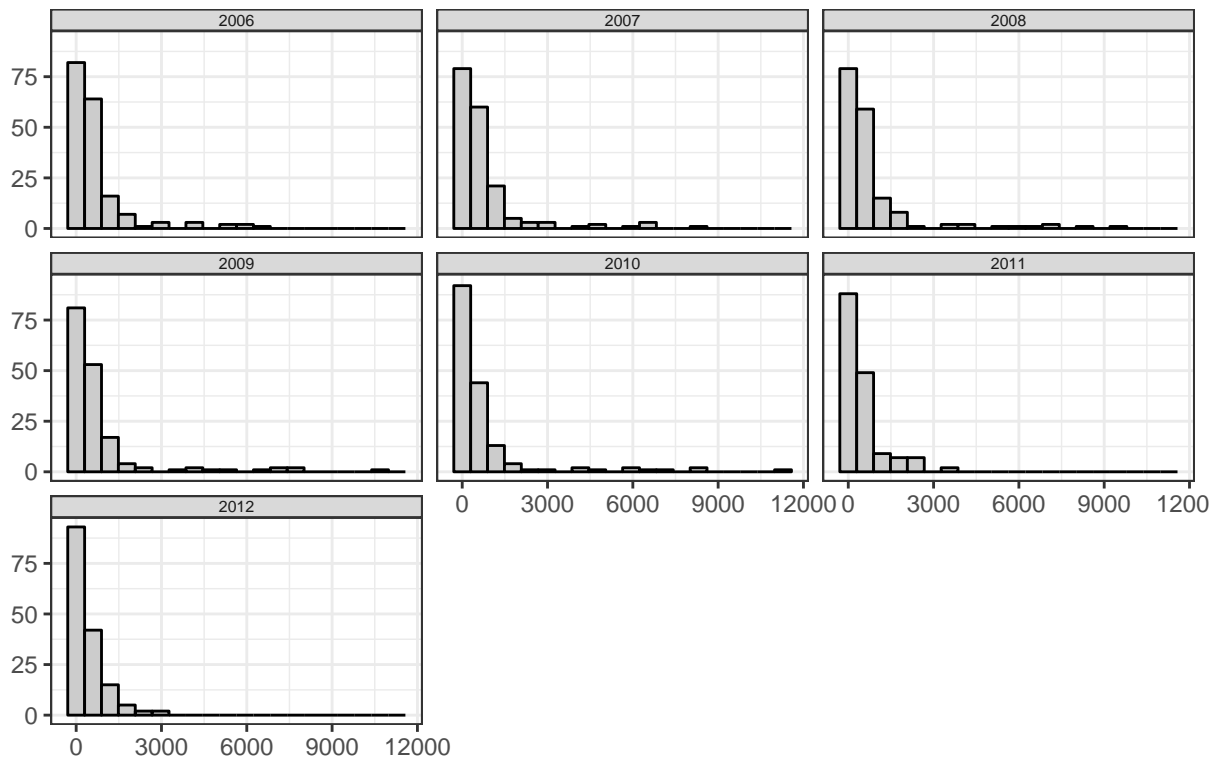
Histogram of Discharges (counts) – Medicaid



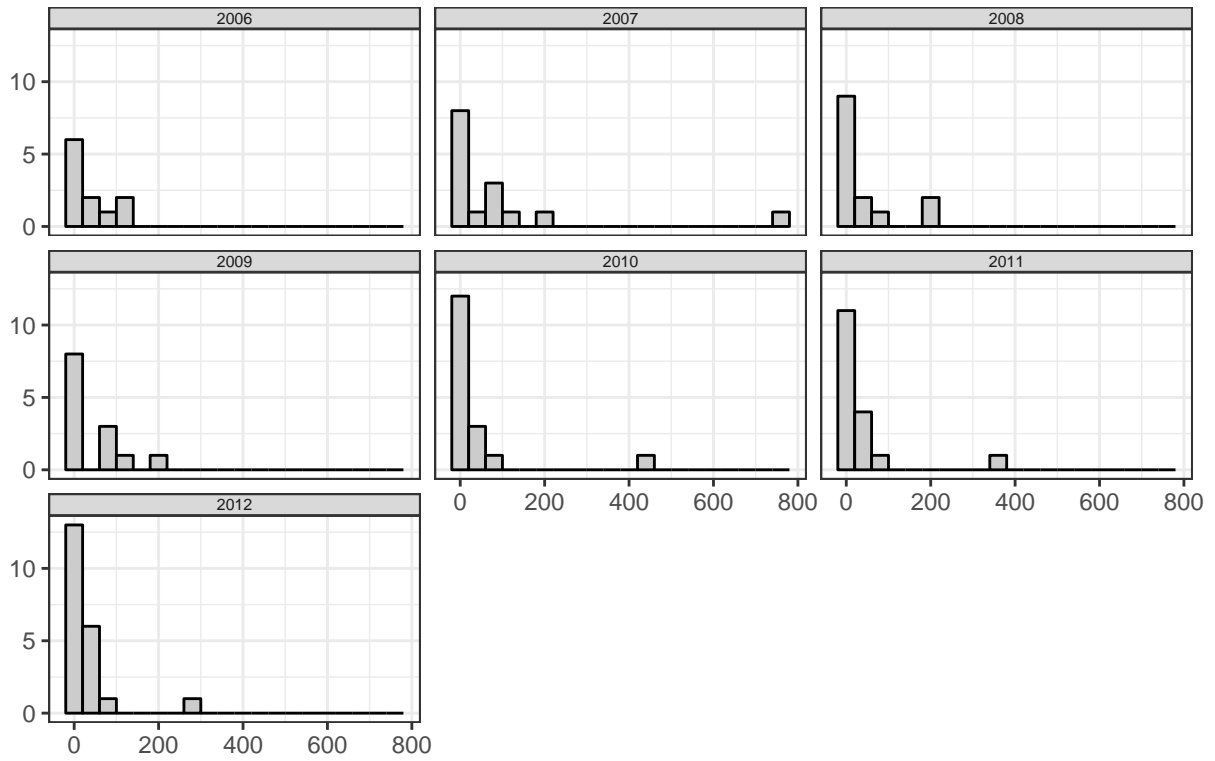
Histogram of Discharges (counts) – Private Insurance



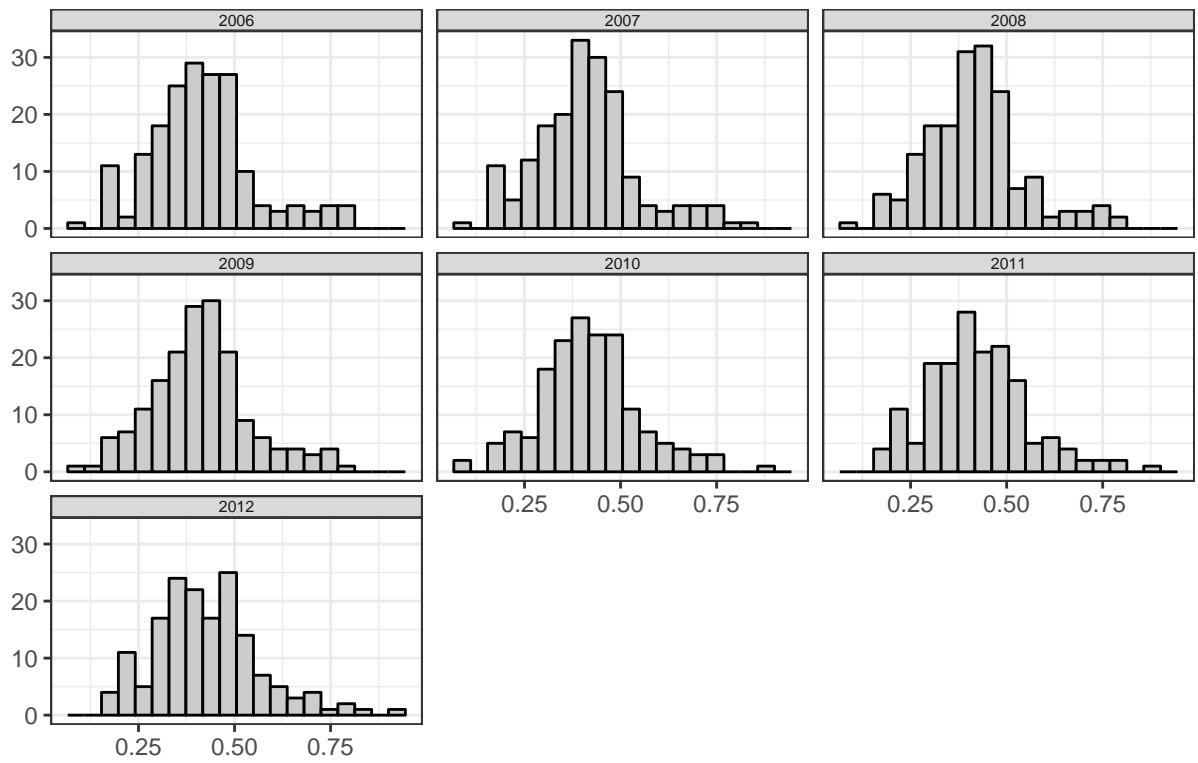
Histogram of Discharges (counts) – Self-Pay



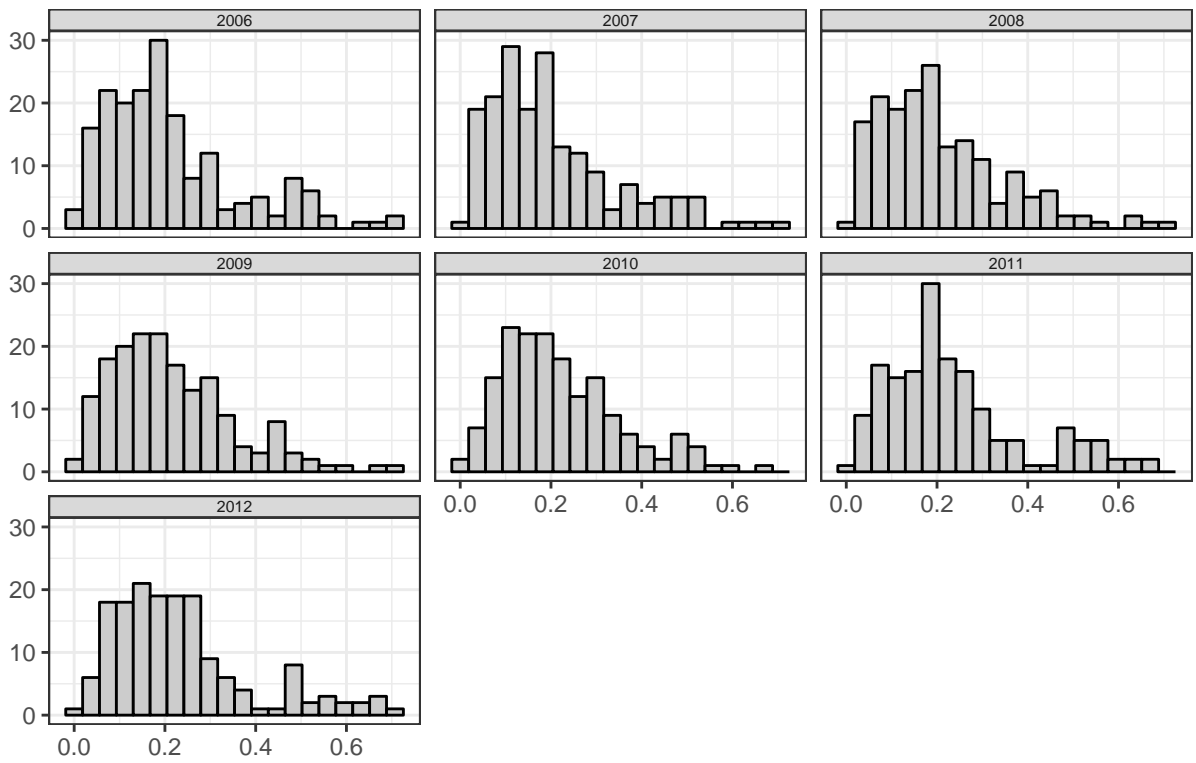
Histogram of Discharges (counts) – No charge



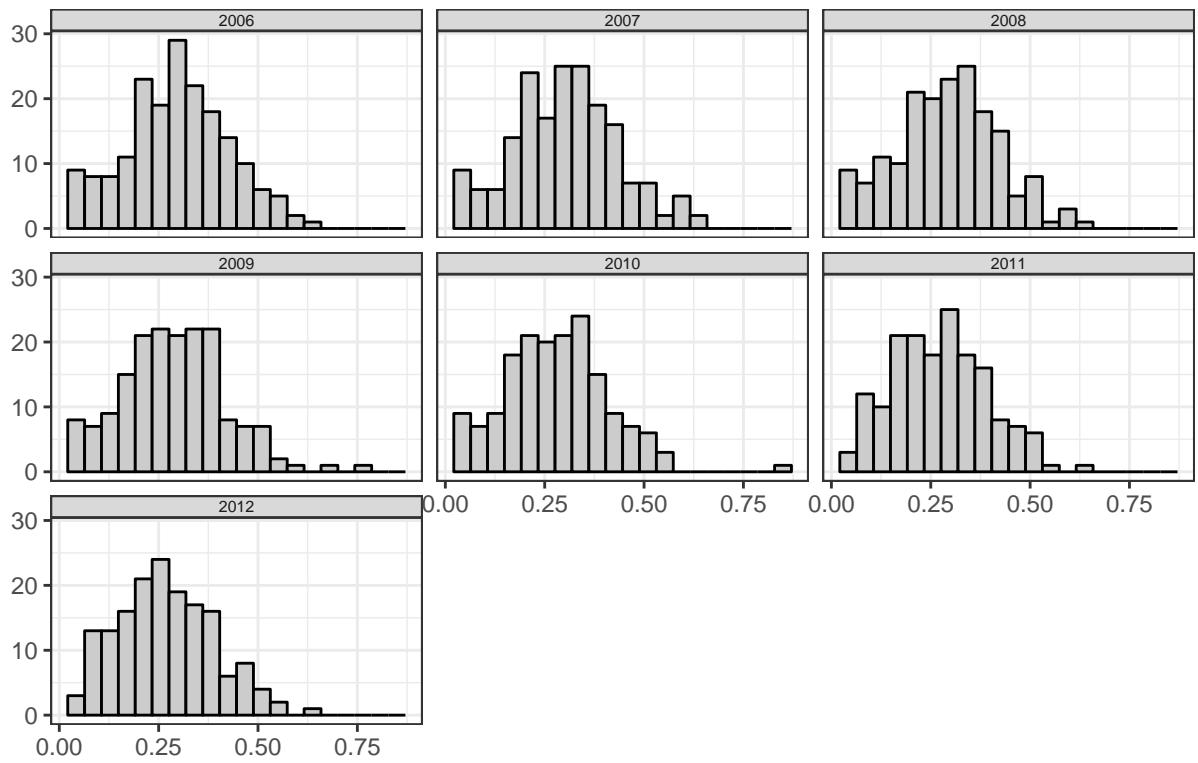
Histogram of Discharges (prop.) – Medicare



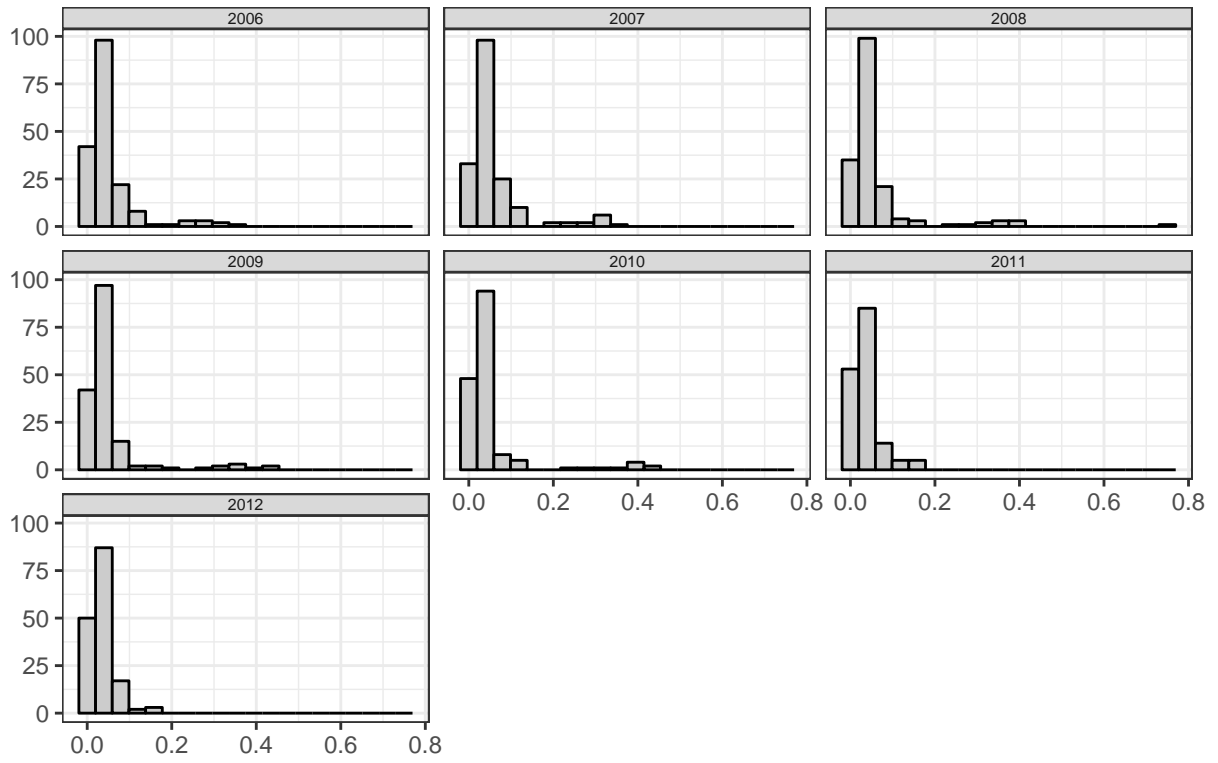
Histogram of Discharges (prop.) – Medicaid



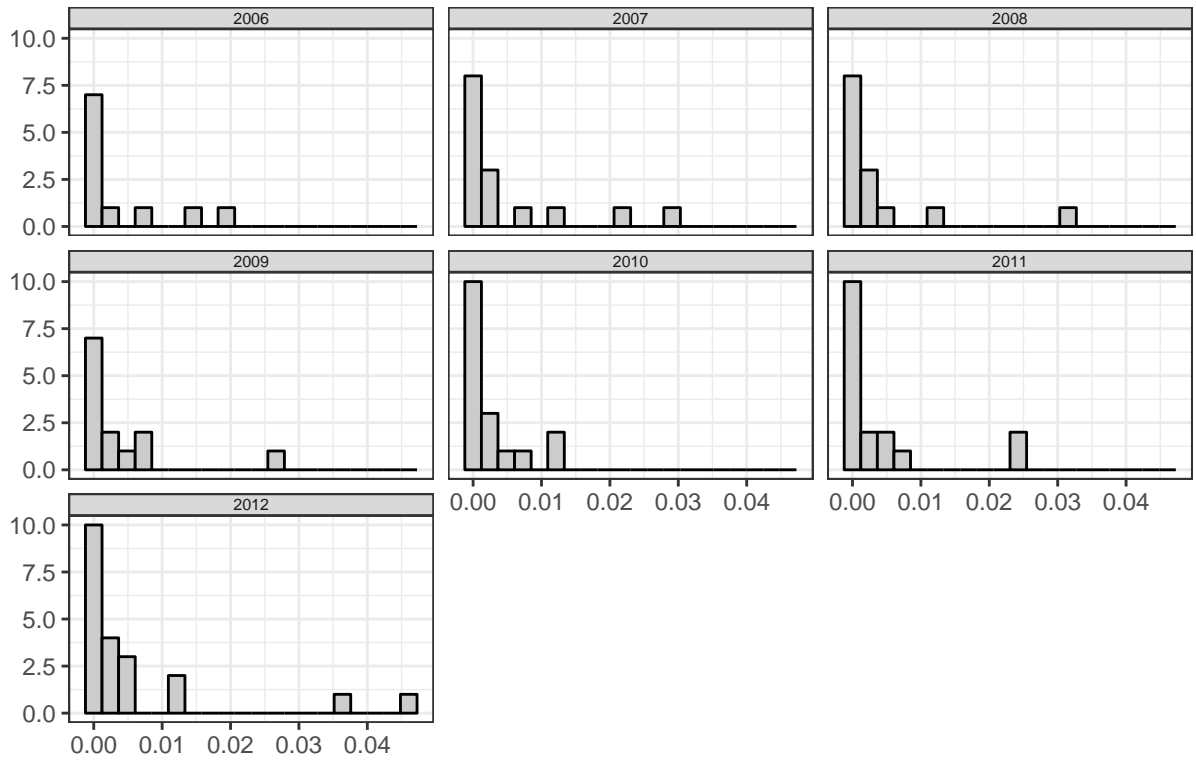
Histogram of Discharges (prop.) – Private Insurance



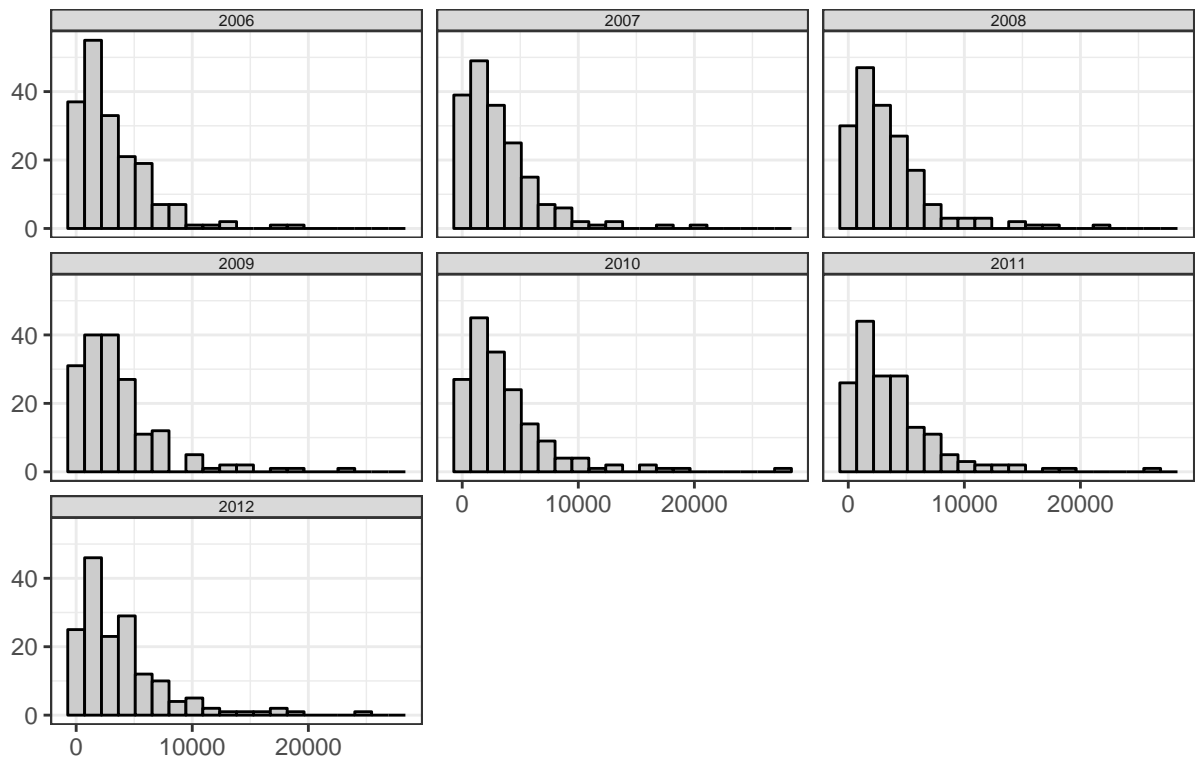
Histogram of Discharges (prop.) – Self-Pay



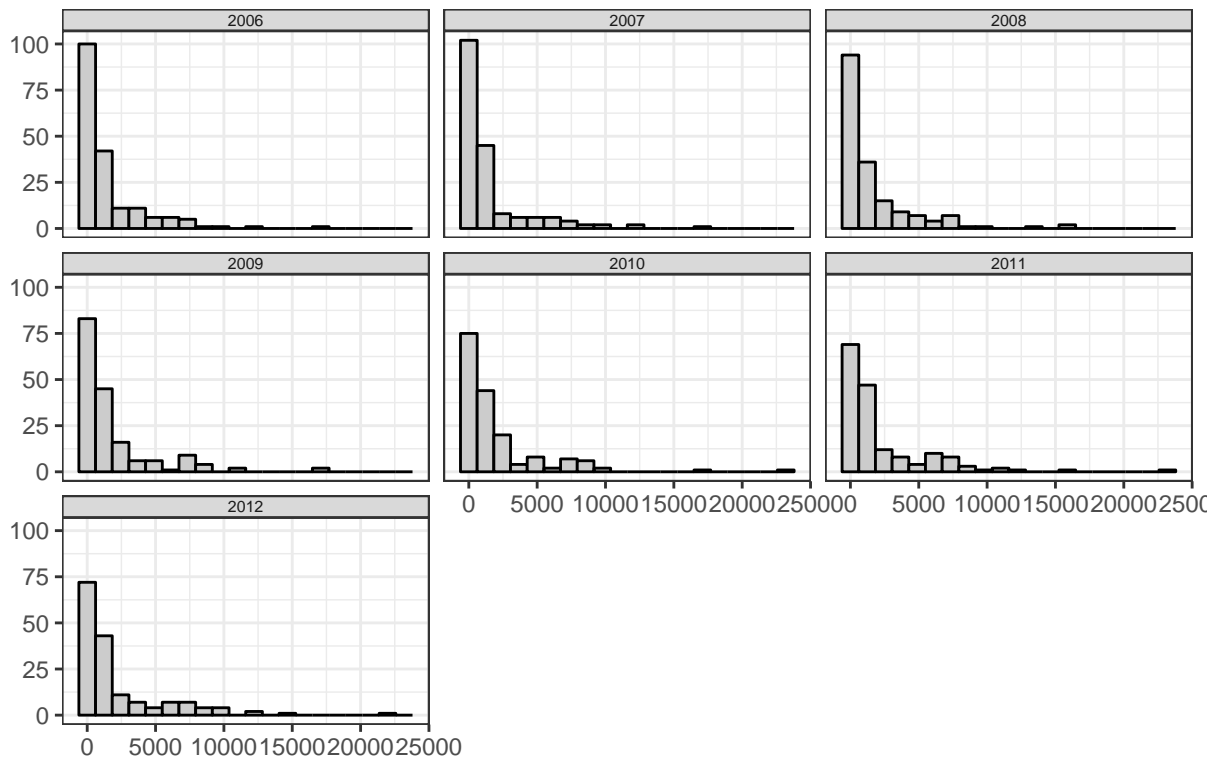
Histogram of Discharges (prop.) – No charge



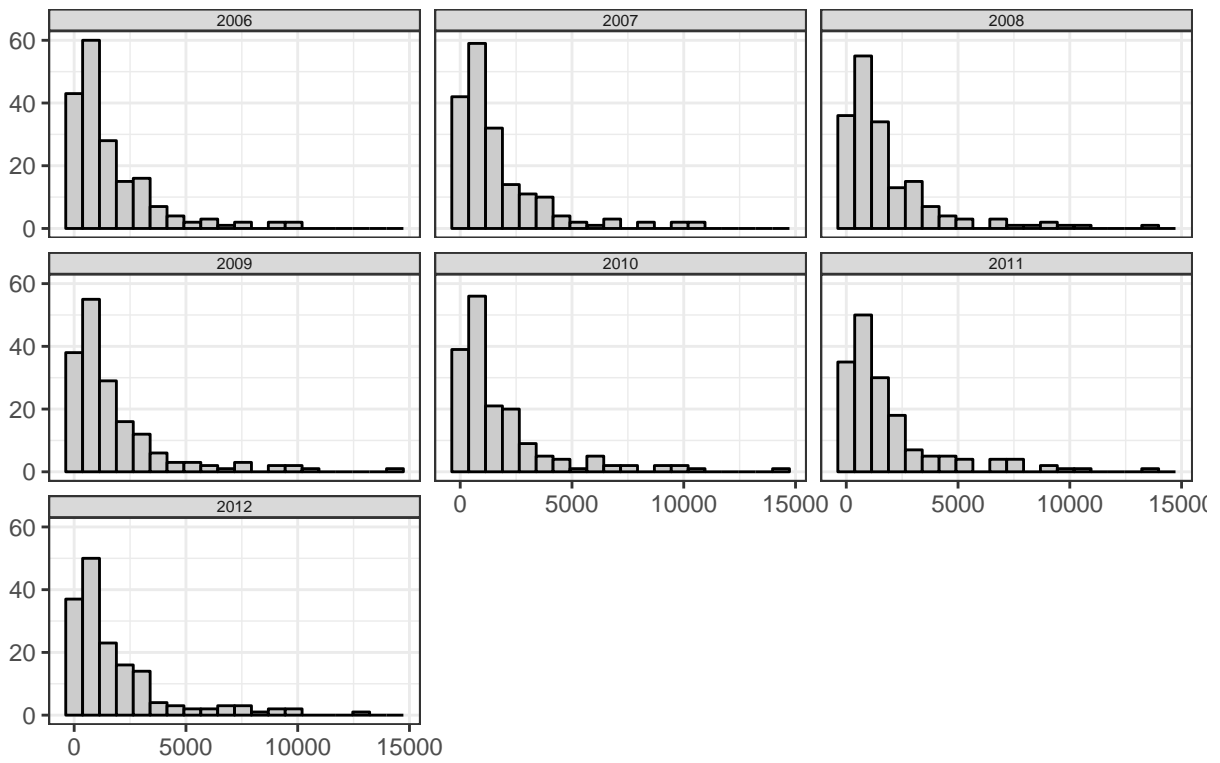
Histogram of Emergency Dept. (counts) – Medicare



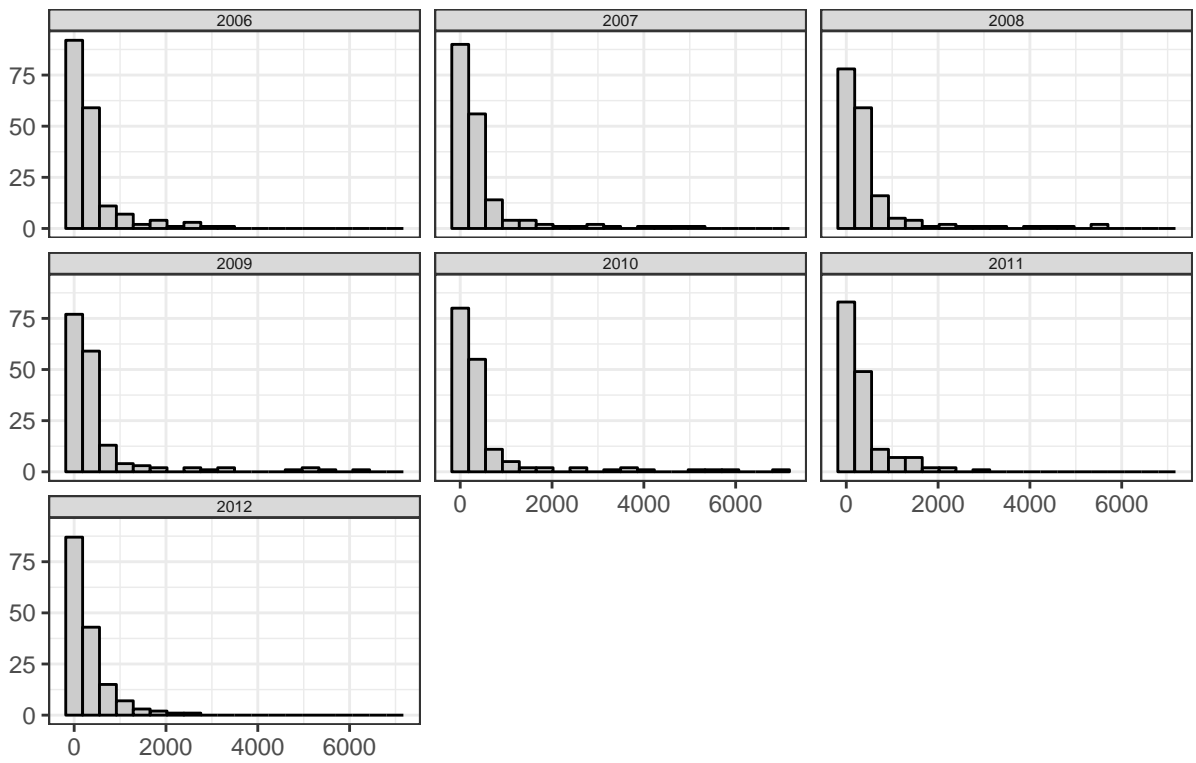
Histogram of Emergency Dept. (counts) – Medicaid



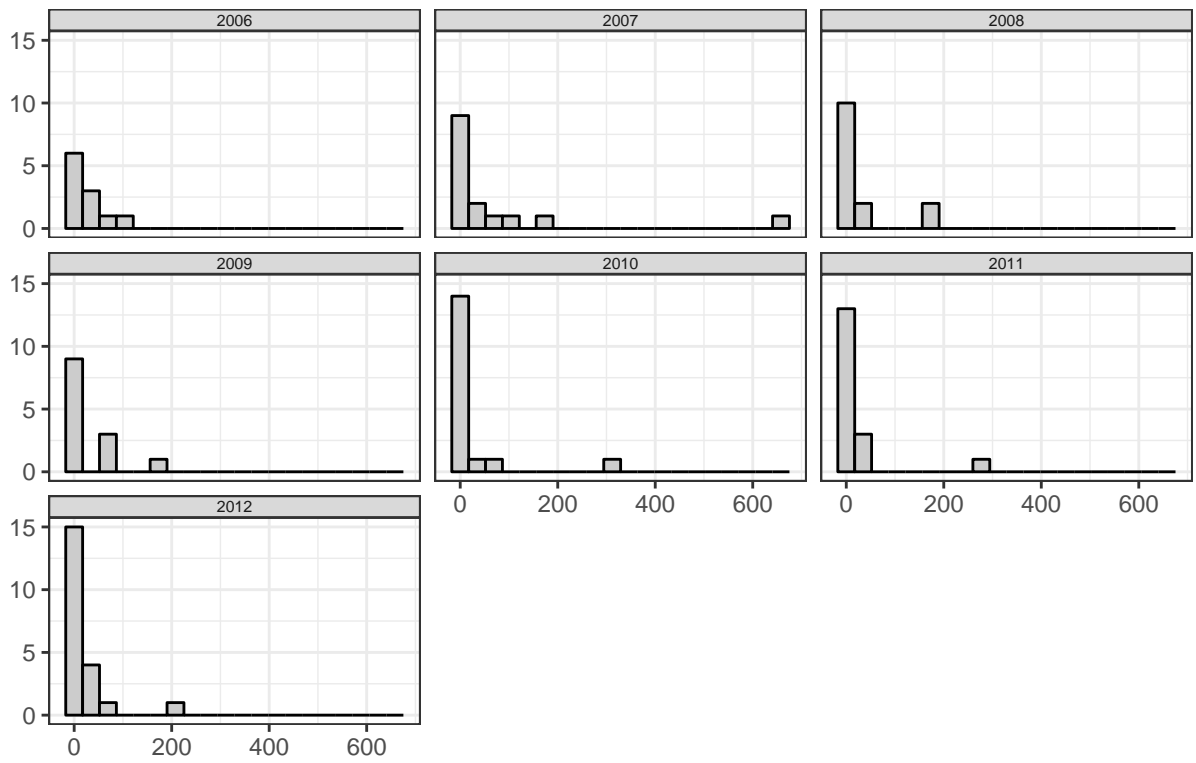
Histogram of Emergency Dept. (counts) – Private Insurance



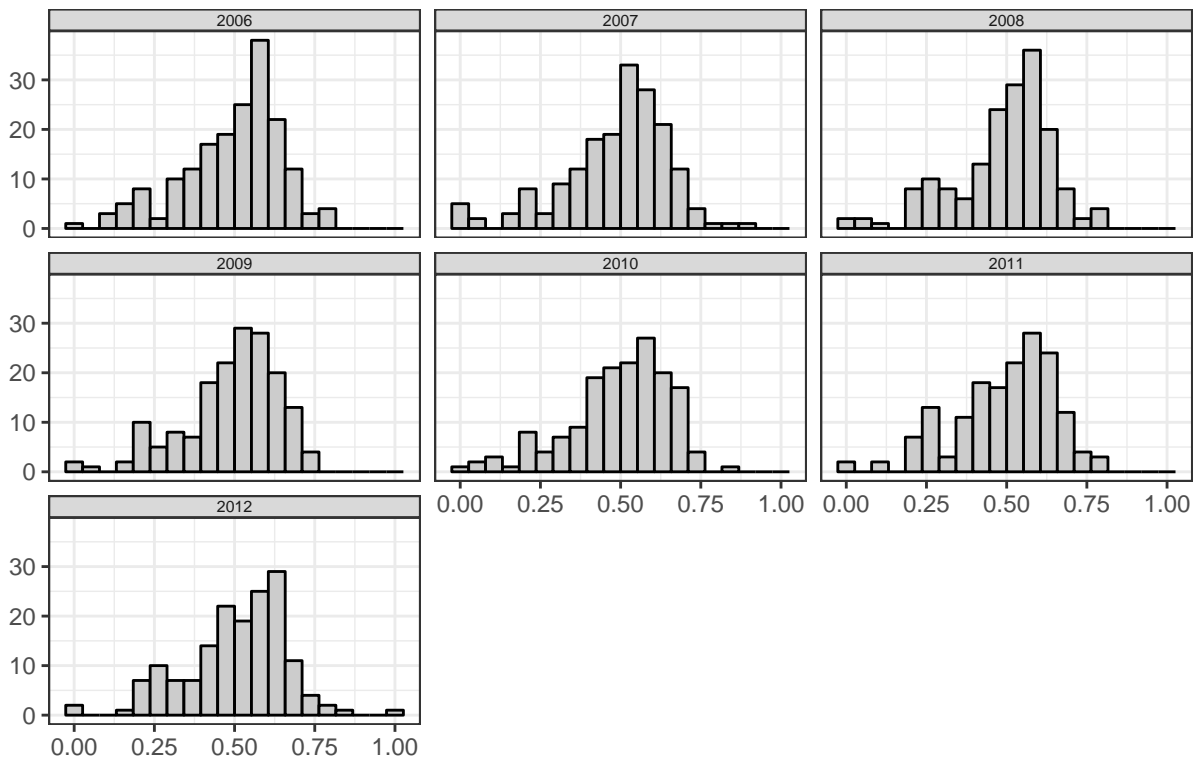
Histogram of Emergency Dept. (counts) – Self-Pay



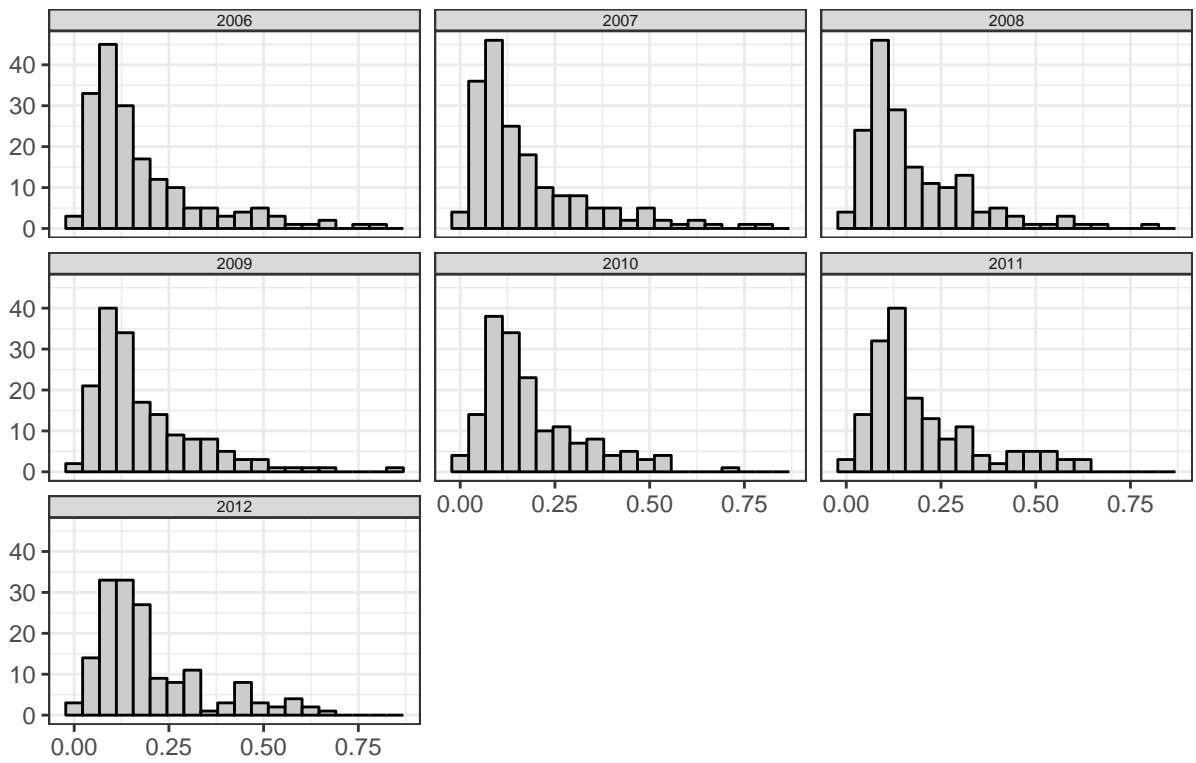
Histogram of Emergency Dept. (counts) – No charge



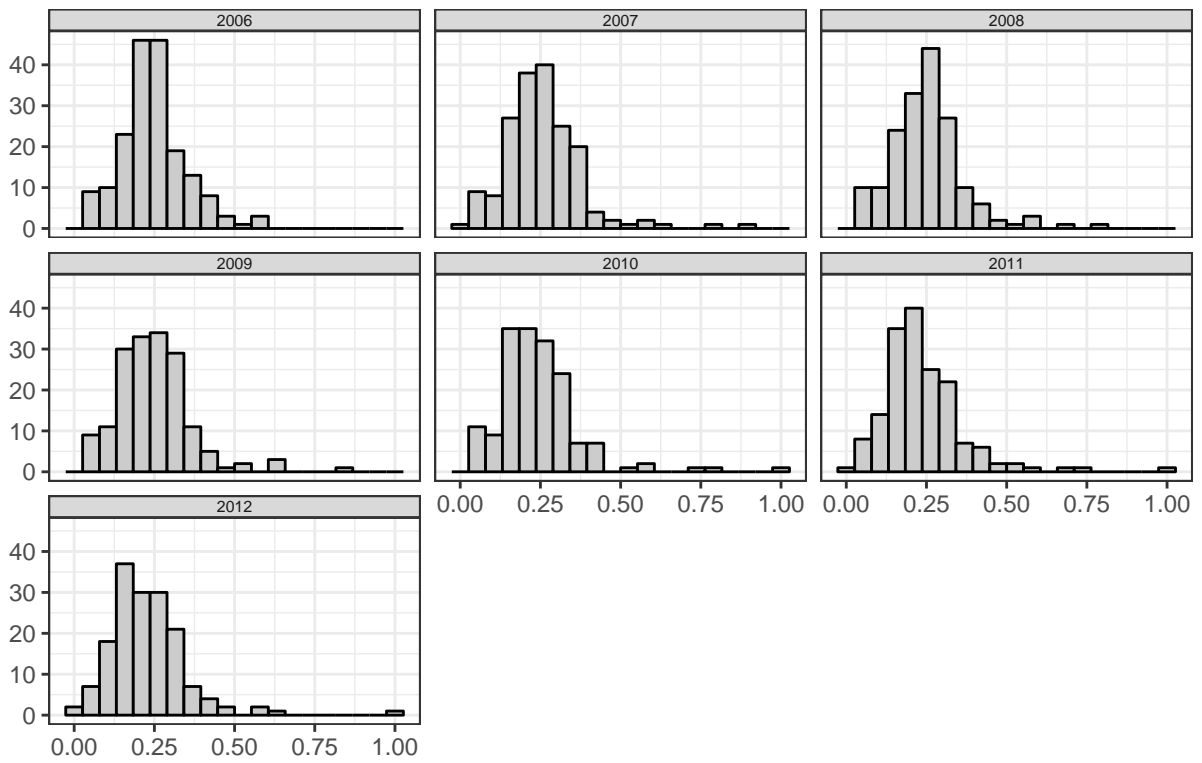
Histogram of Emergency Dept. (prop.) – Medicare



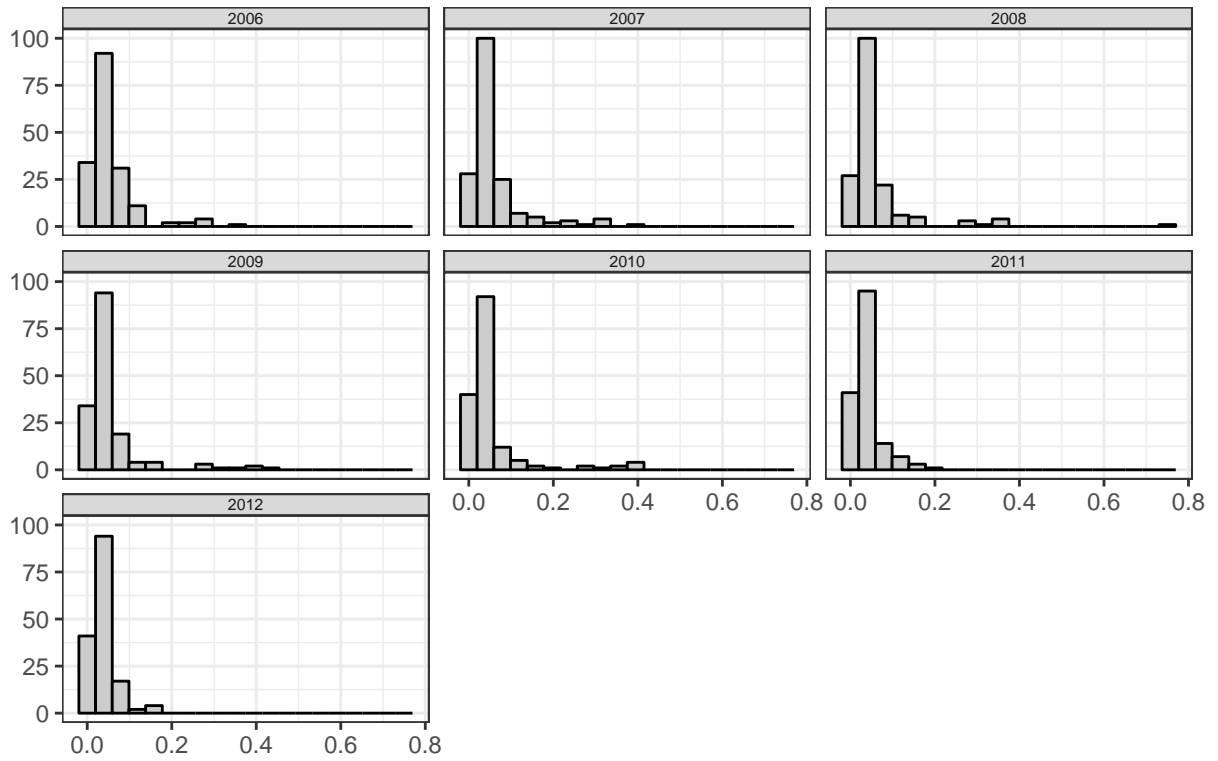
Histogram of Emergency Dept. (prop.) – Medicaid



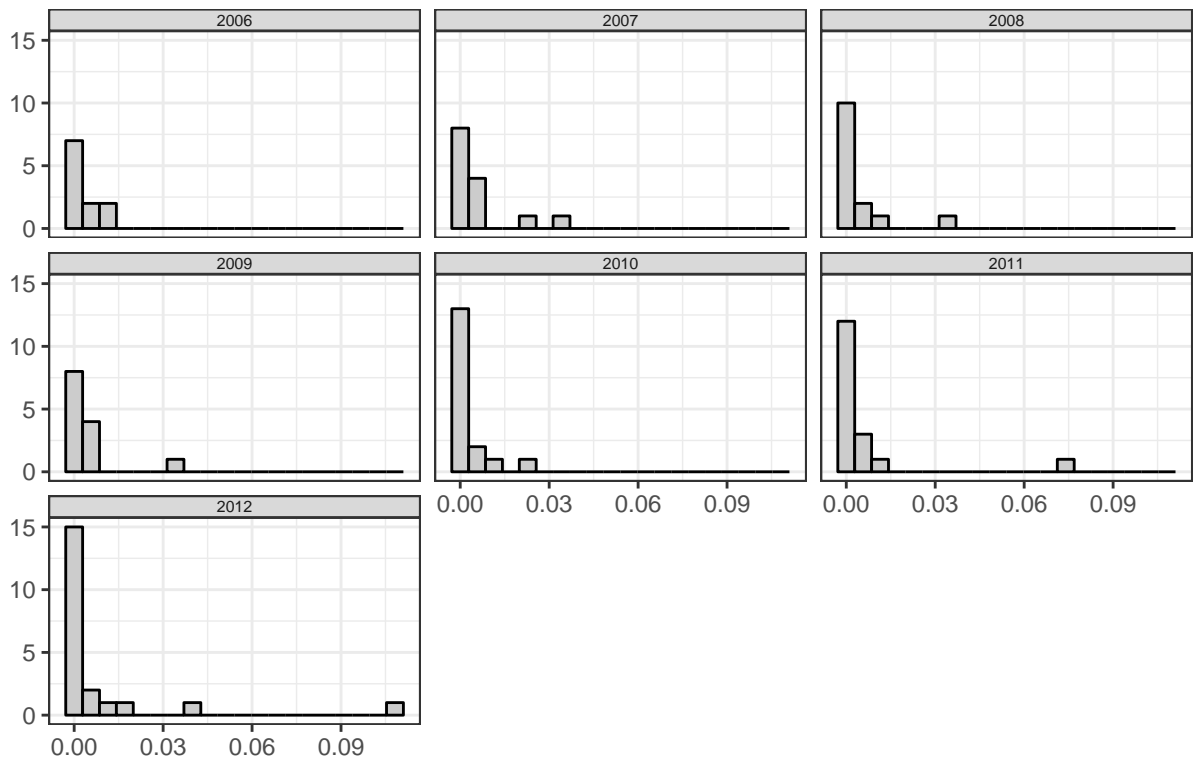
Histogram of Emergency Dept. (prop.) – Private Insurance



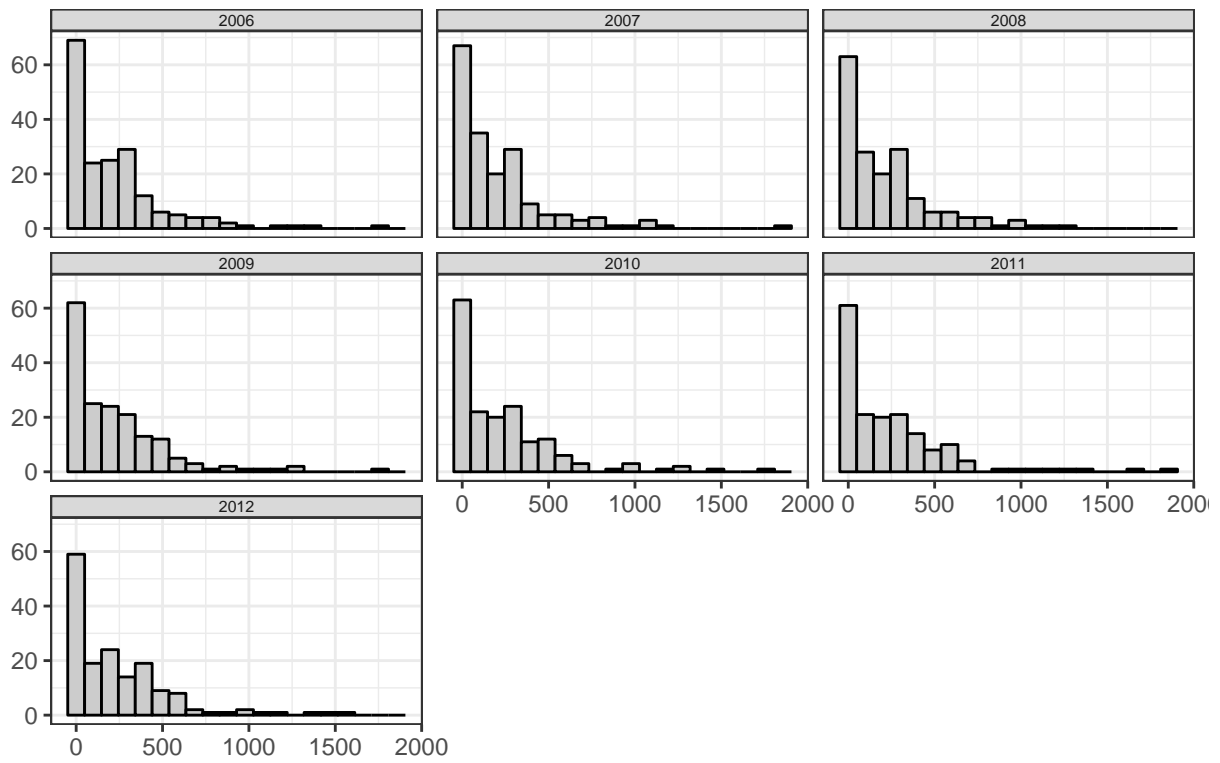
Histogram of Emergency Dept. (prop.) – Self-Pay



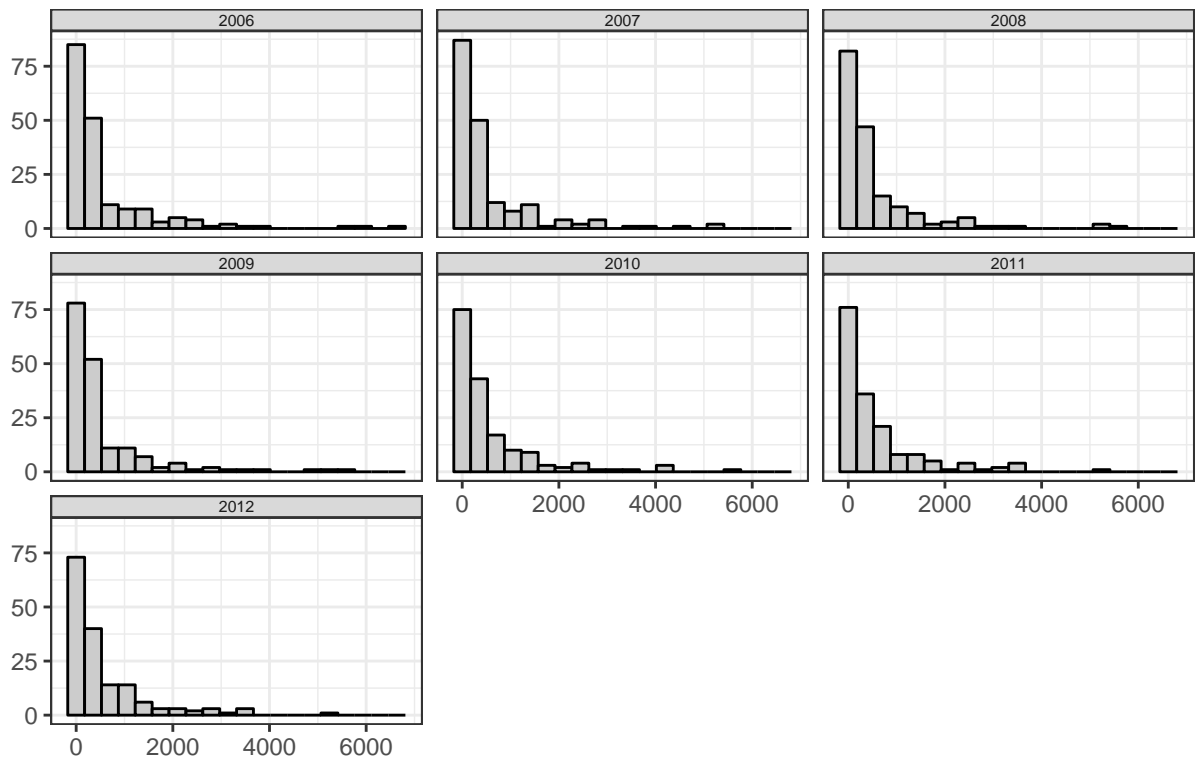
Histogram of Emergency Dept. (prop.) – No charge



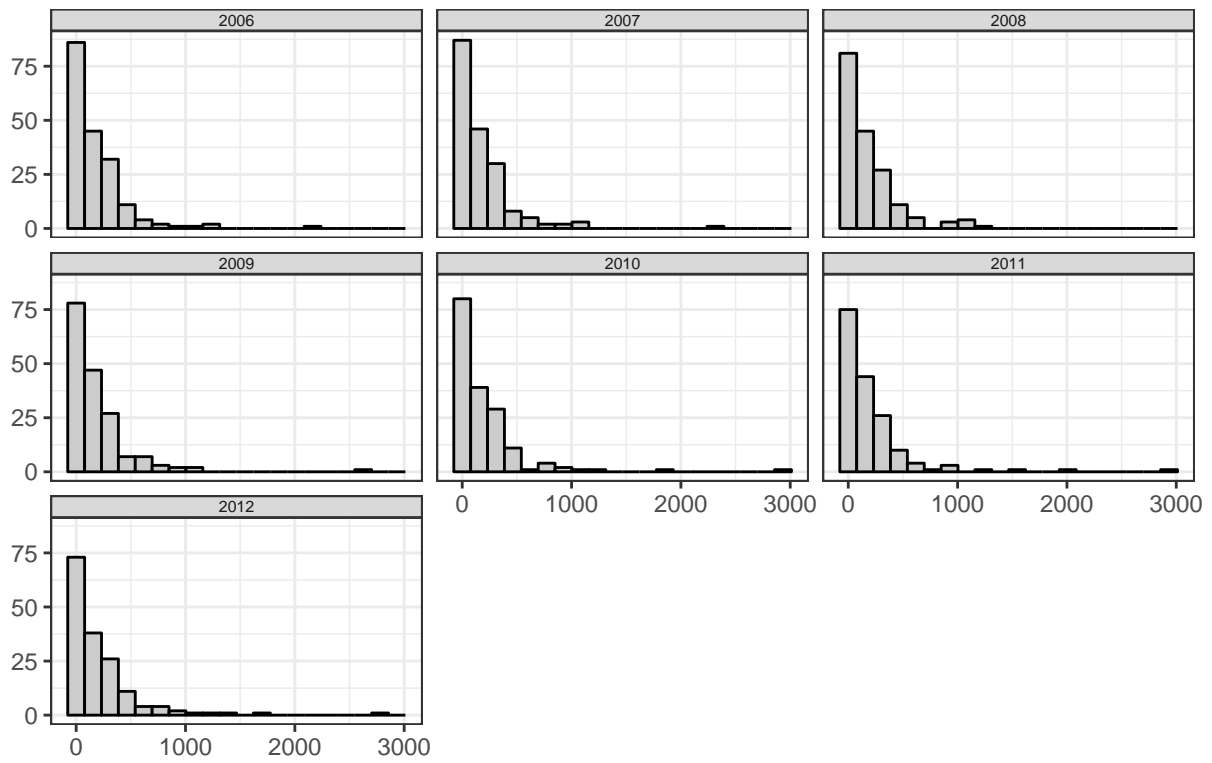
Histogram of Mental Health/Substance Abuse (counts) – Medicare



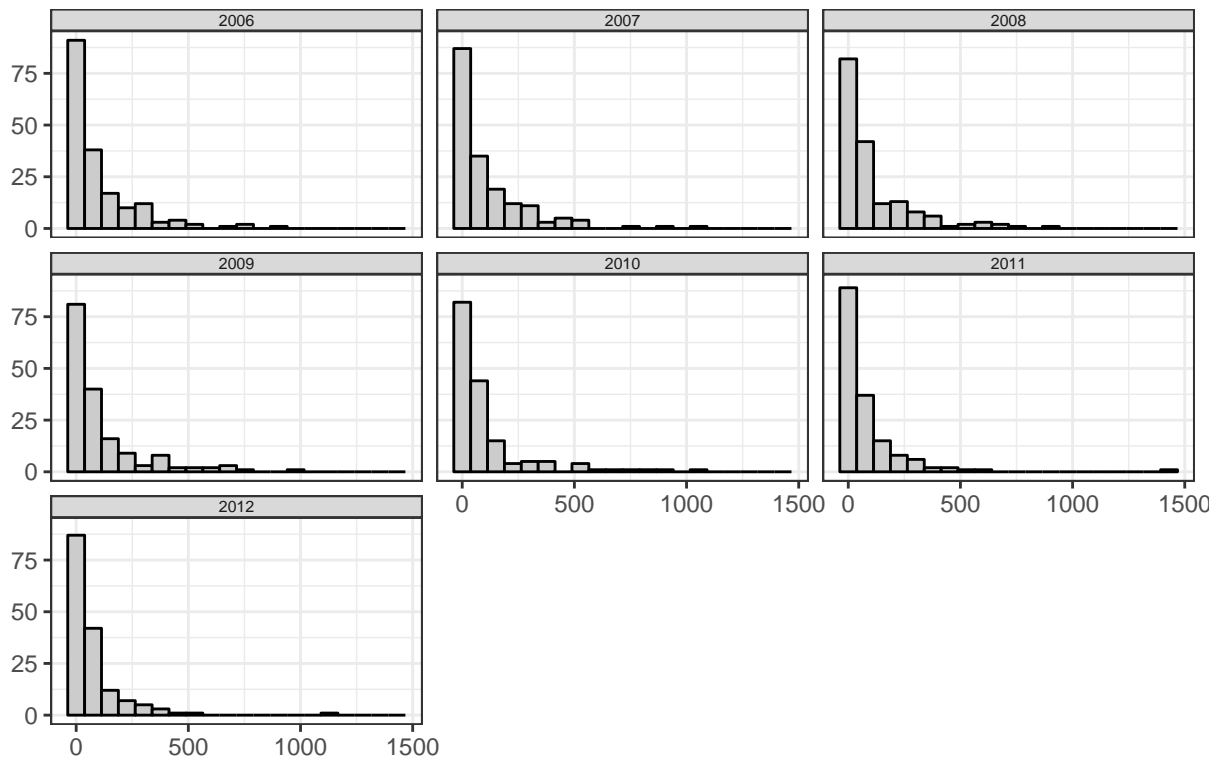
Histogram of Mental Health/Substance Abuse (counts) – Medicaid



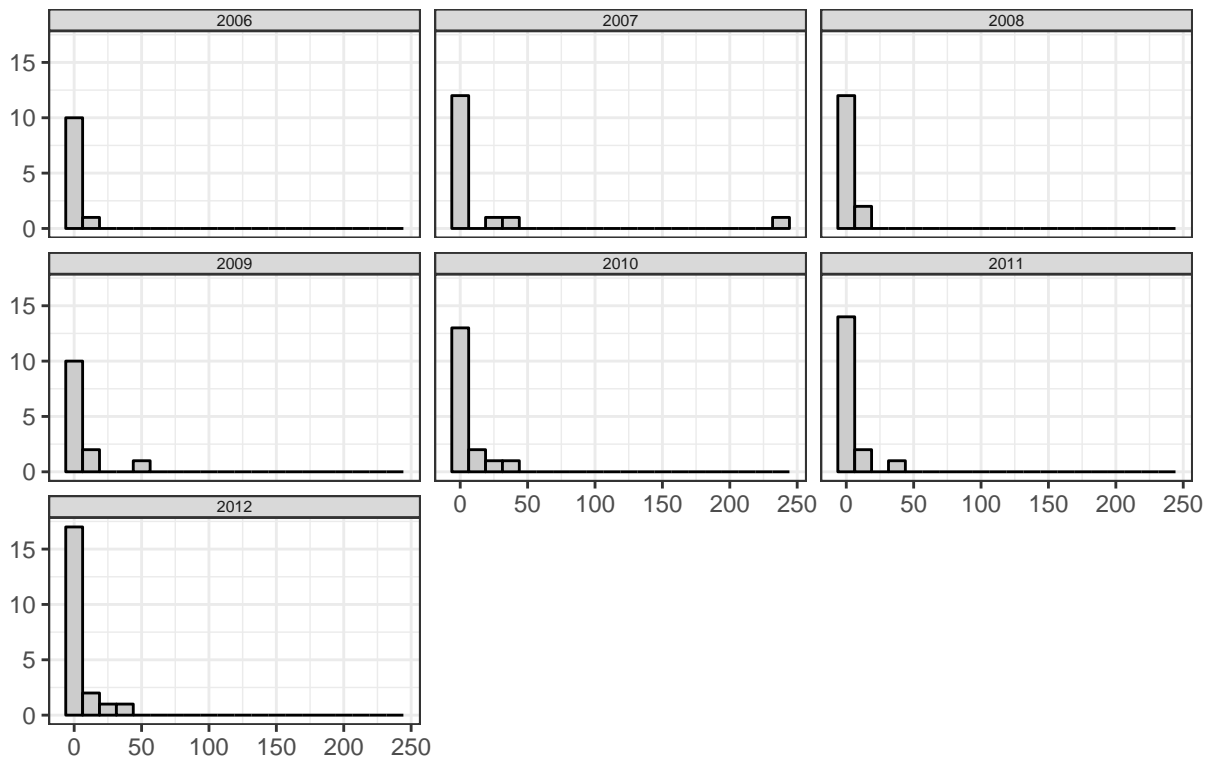
Histogram of Mental Health/Substance Abuse (counts) – Private Insurance



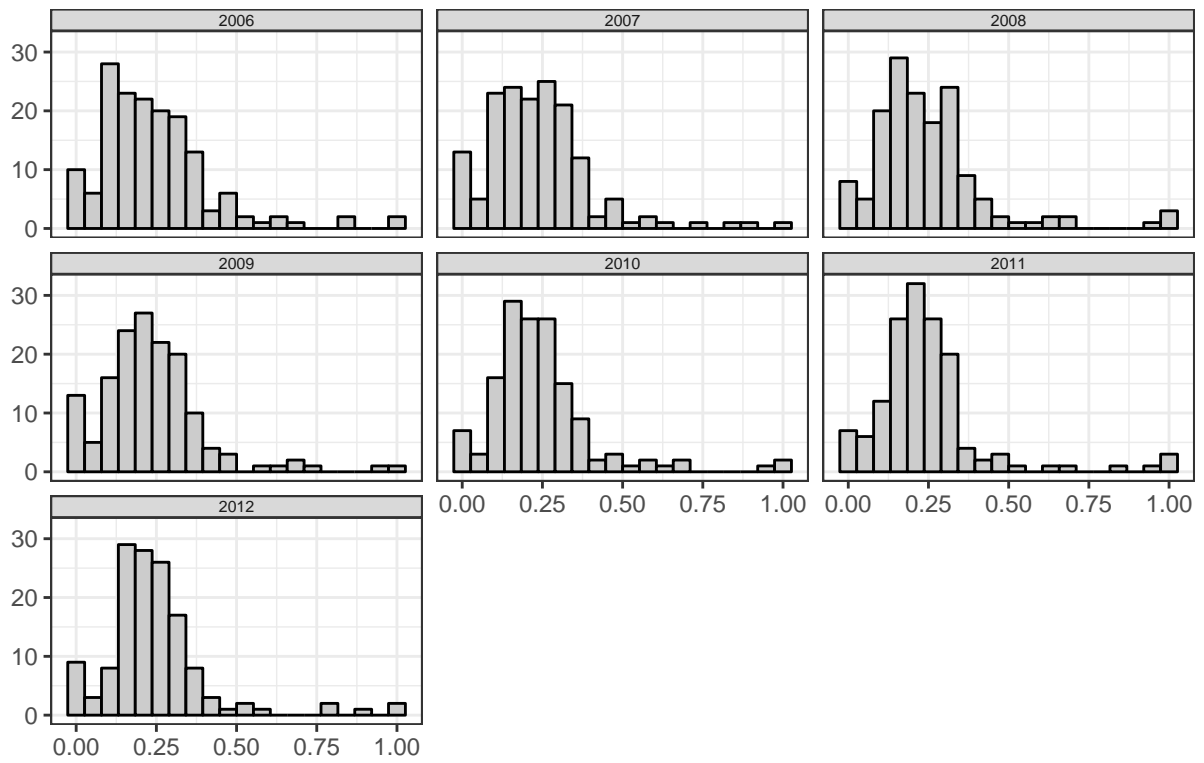
Histogram of Mental Health/Substance Abuse (counts) – Self-Pay



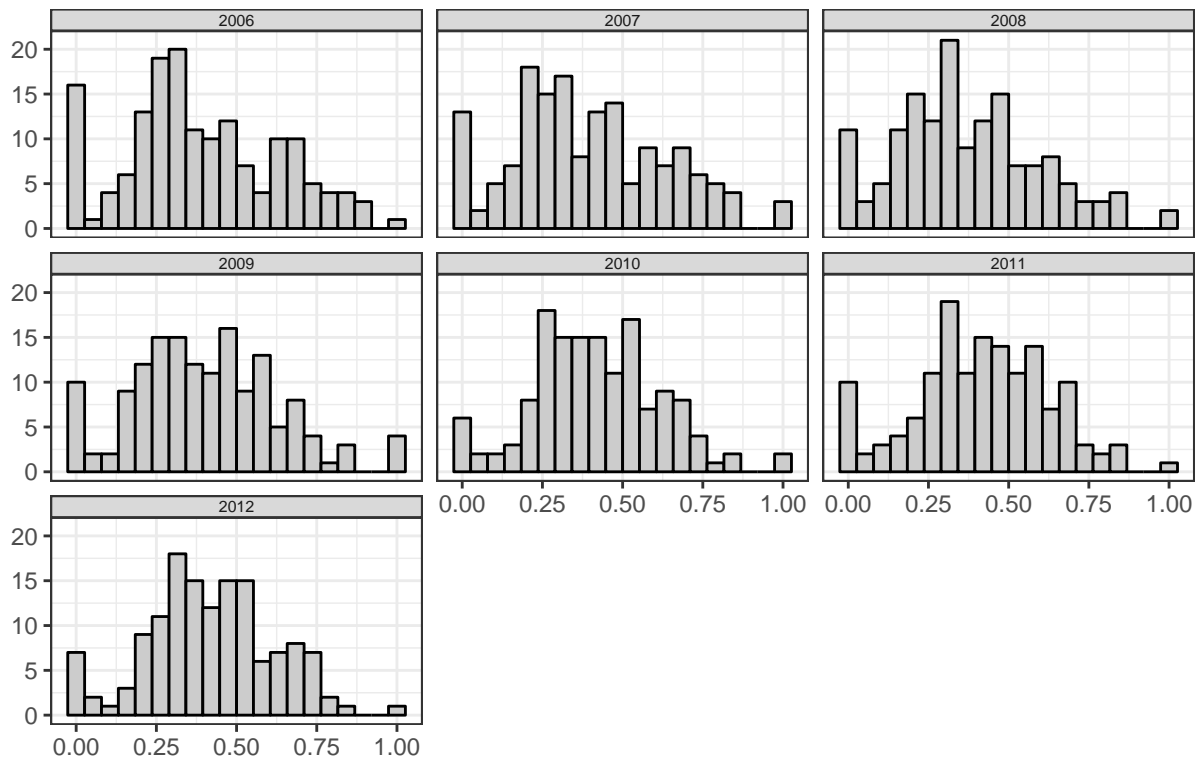
Histogram of Mental Health/Substance Abuse (counts) – No charge



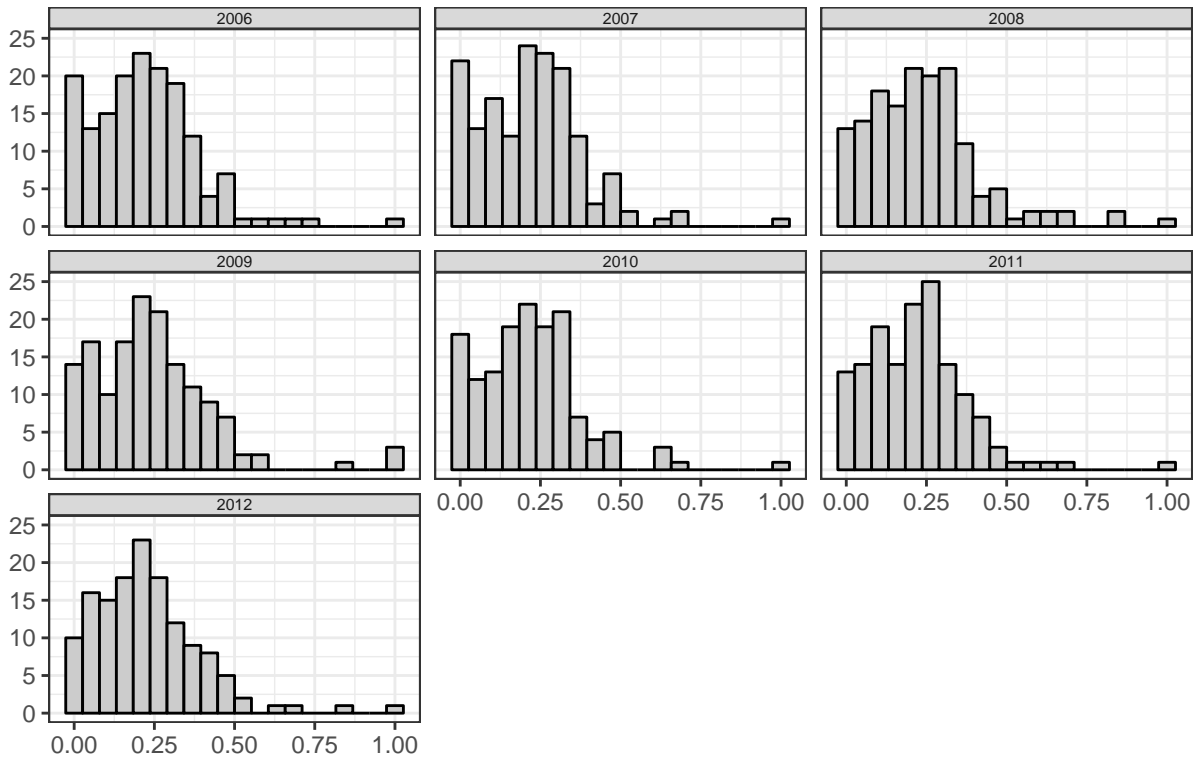
Histogram of Mental Health/Substance Abuse (prop.) – Medicare



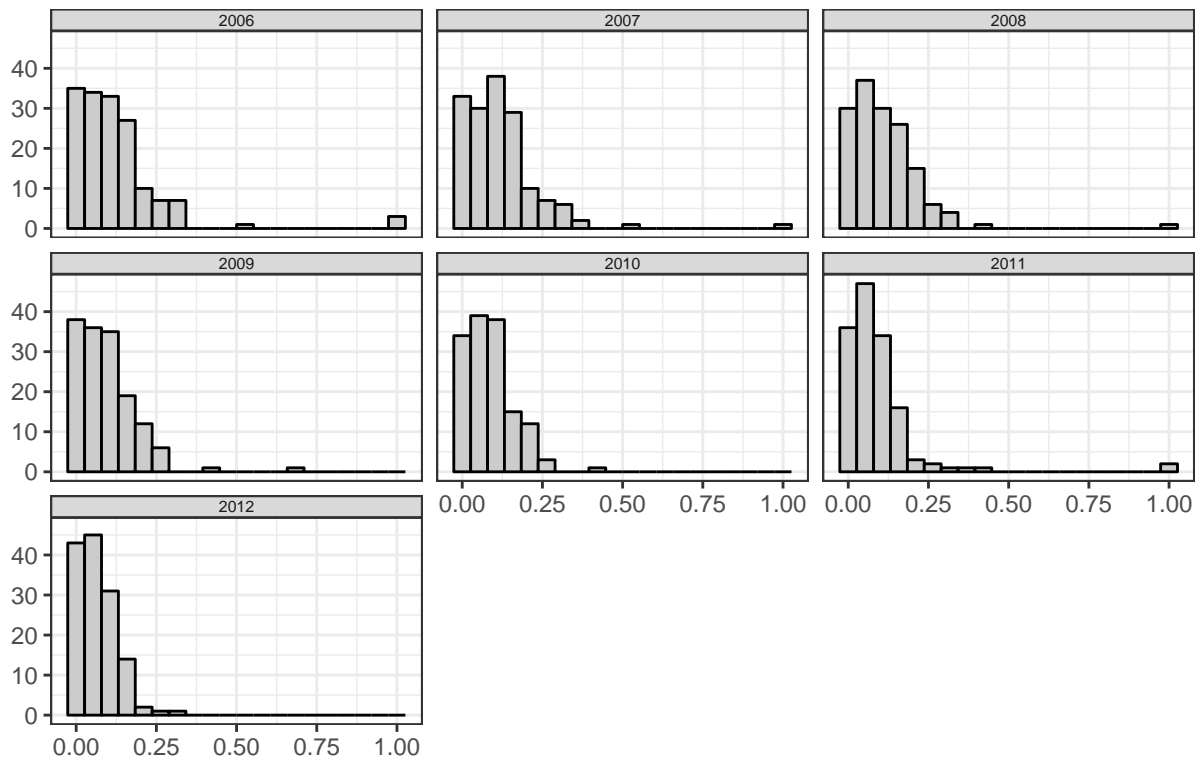
Histogram of Mental Health/Substance Abuse (prop.) – Medicaid



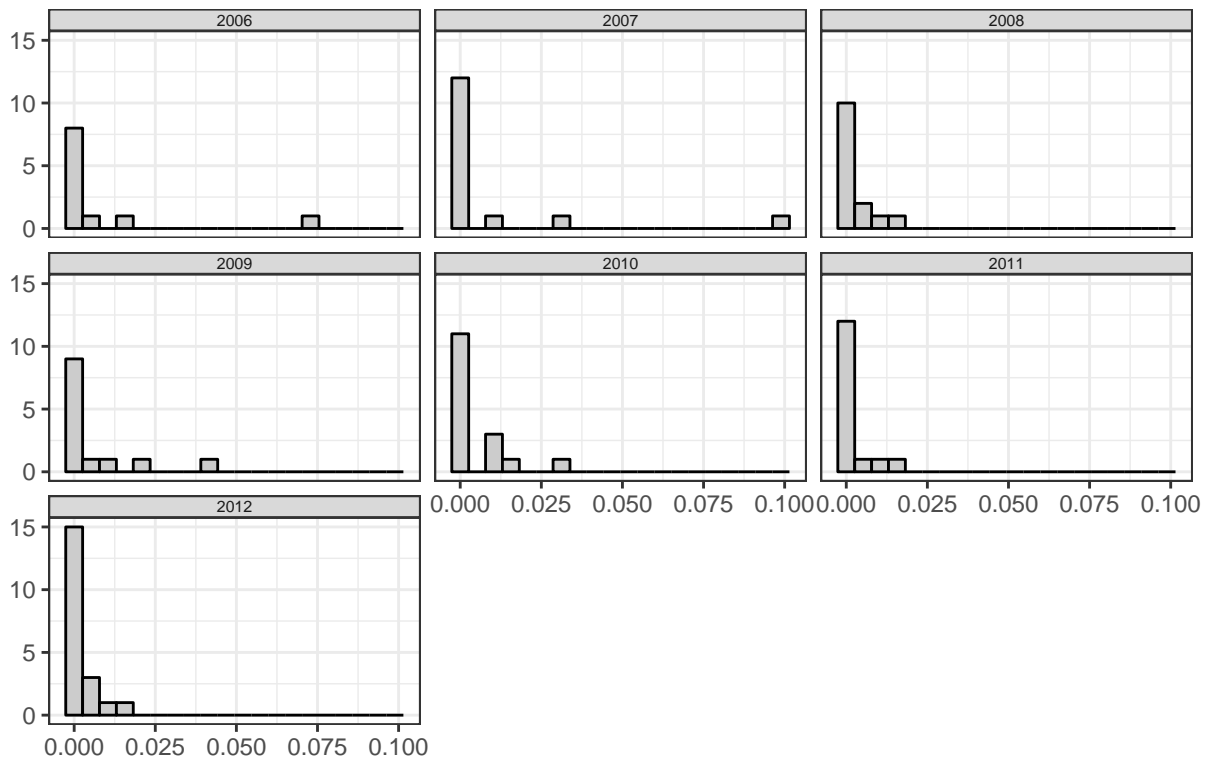
Histogram of Mental Health/Substance Abuse (prop.) – Private Insurance



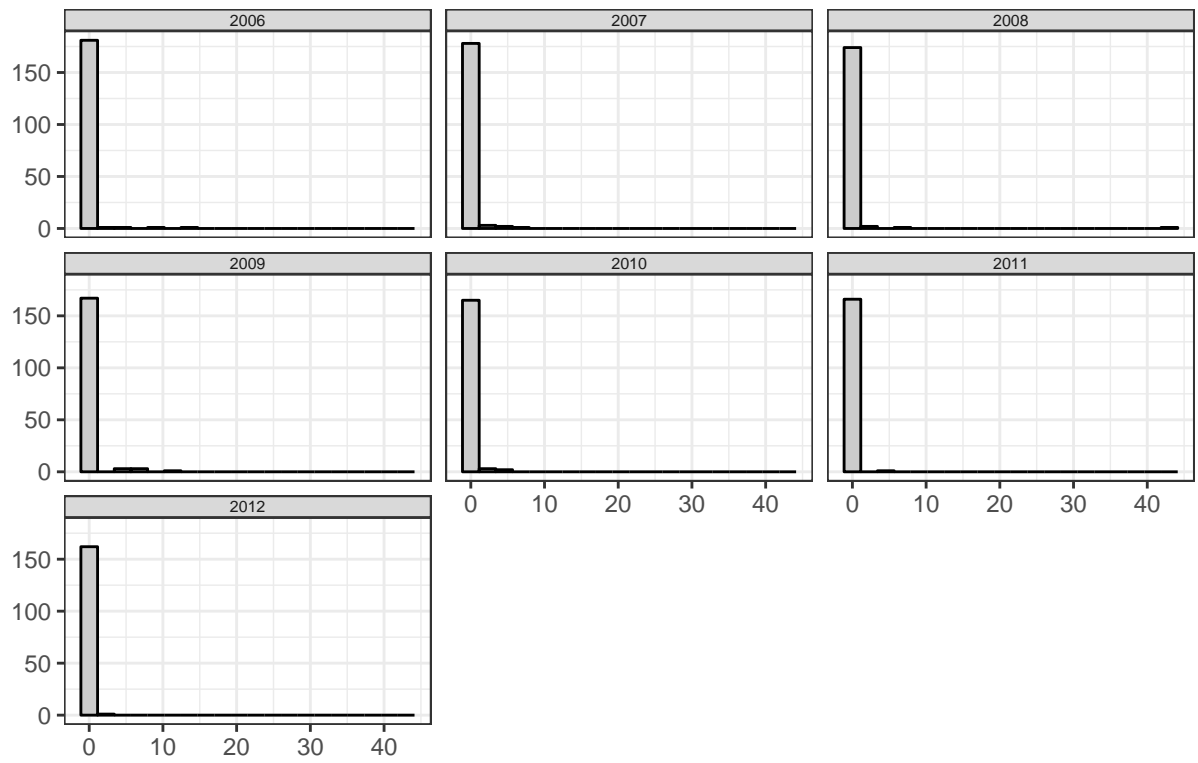
Histogram of Mental Health/Substance Abuse (prop.) – Self-Pay



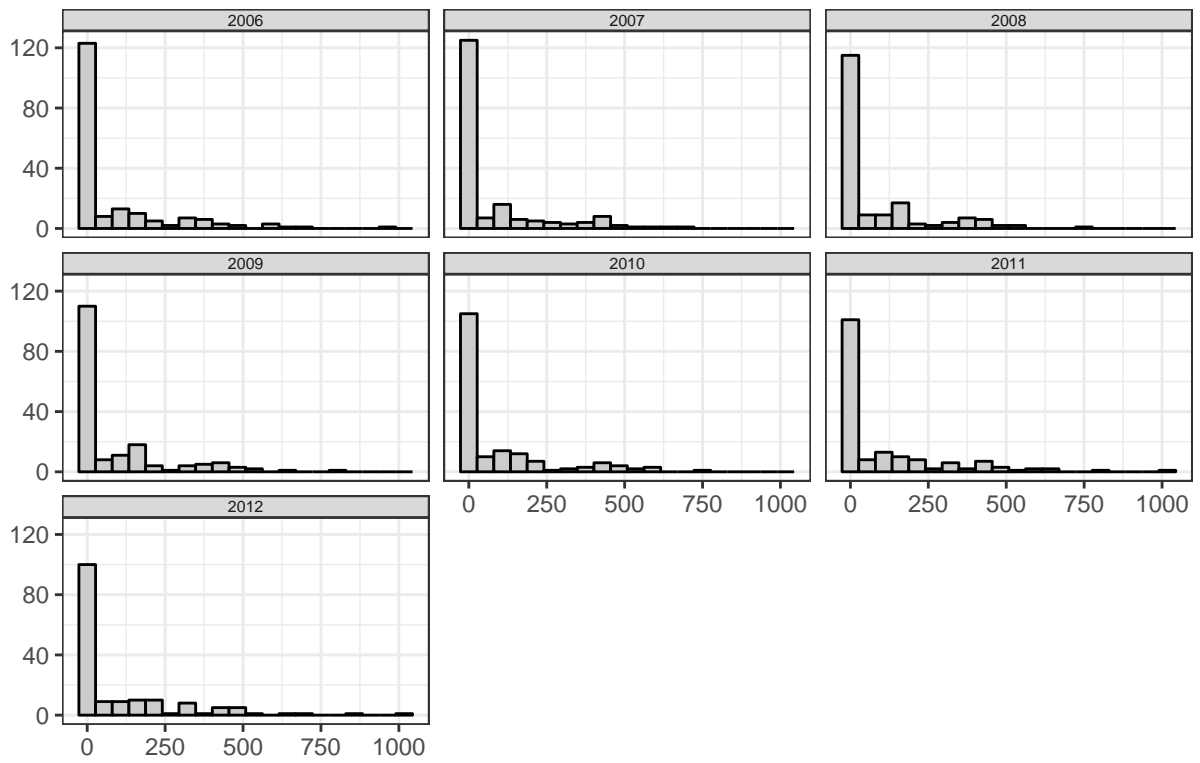
Histogram of Mental Health/Substance Abuse (prop.) – No charge



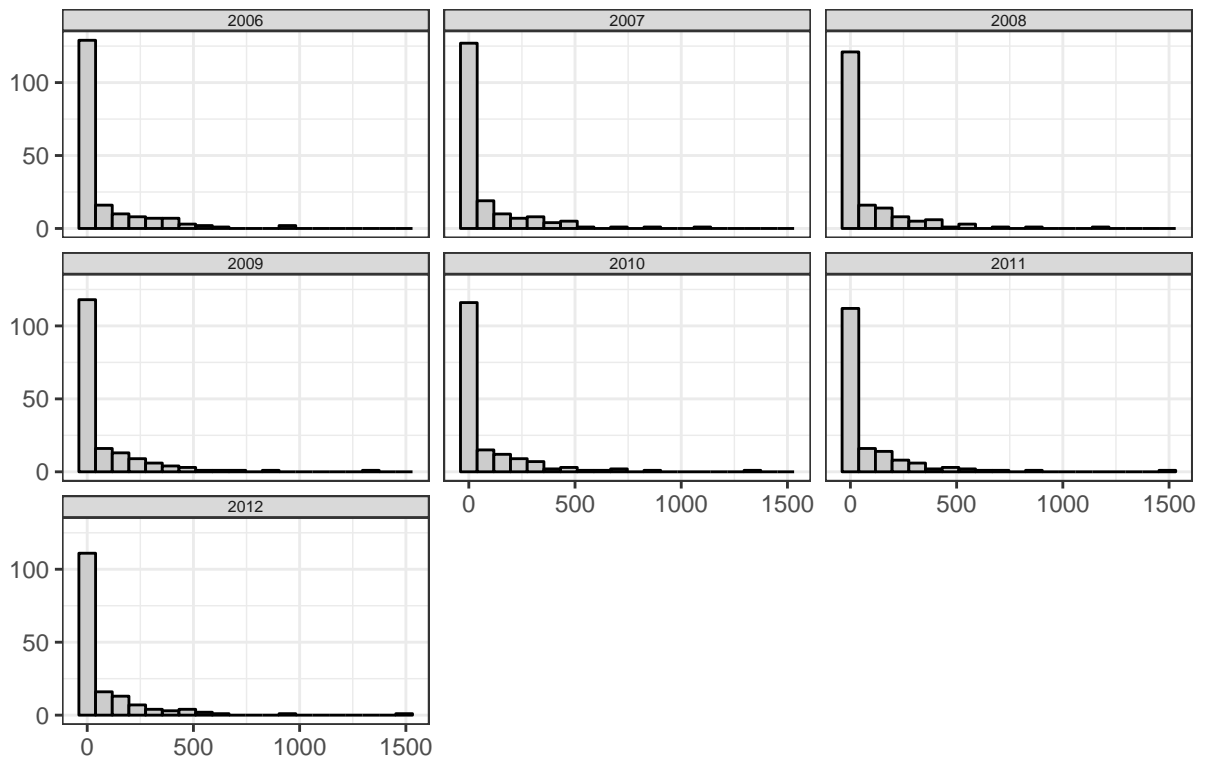
Histogram of Newborn (counts) – Medicare



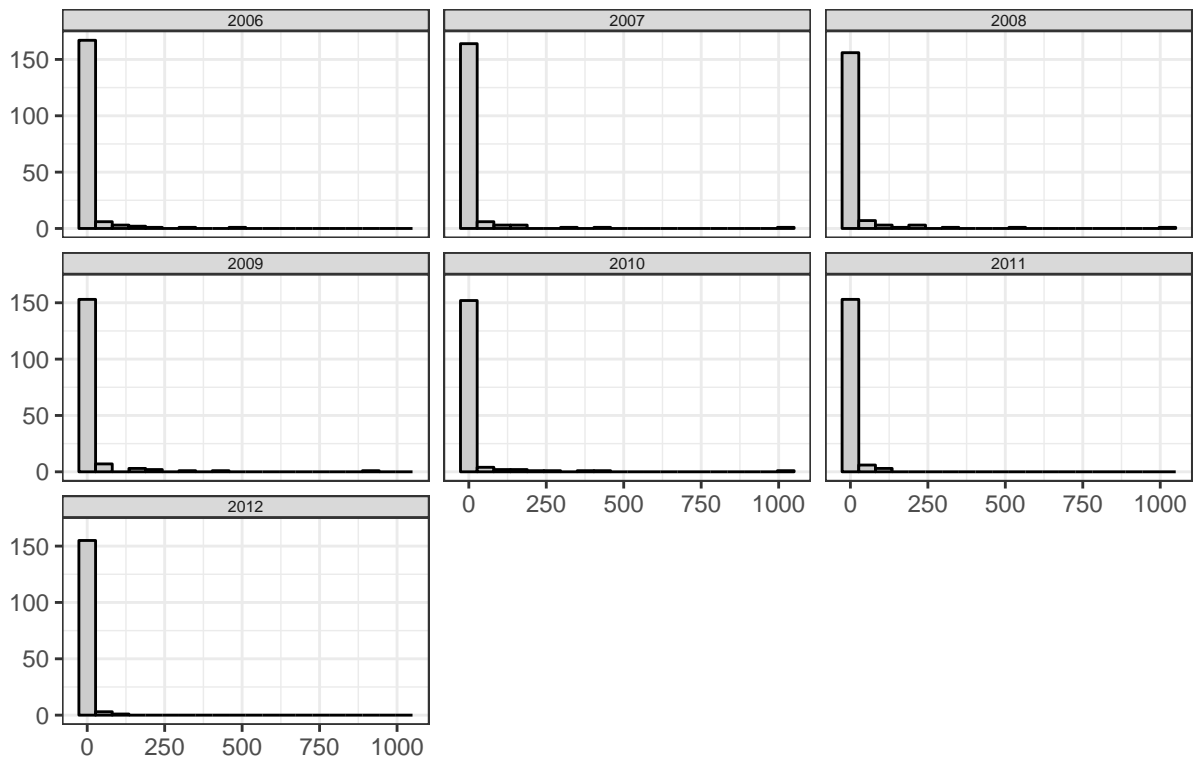
Histogram of Newborn (counts) – Medicaid



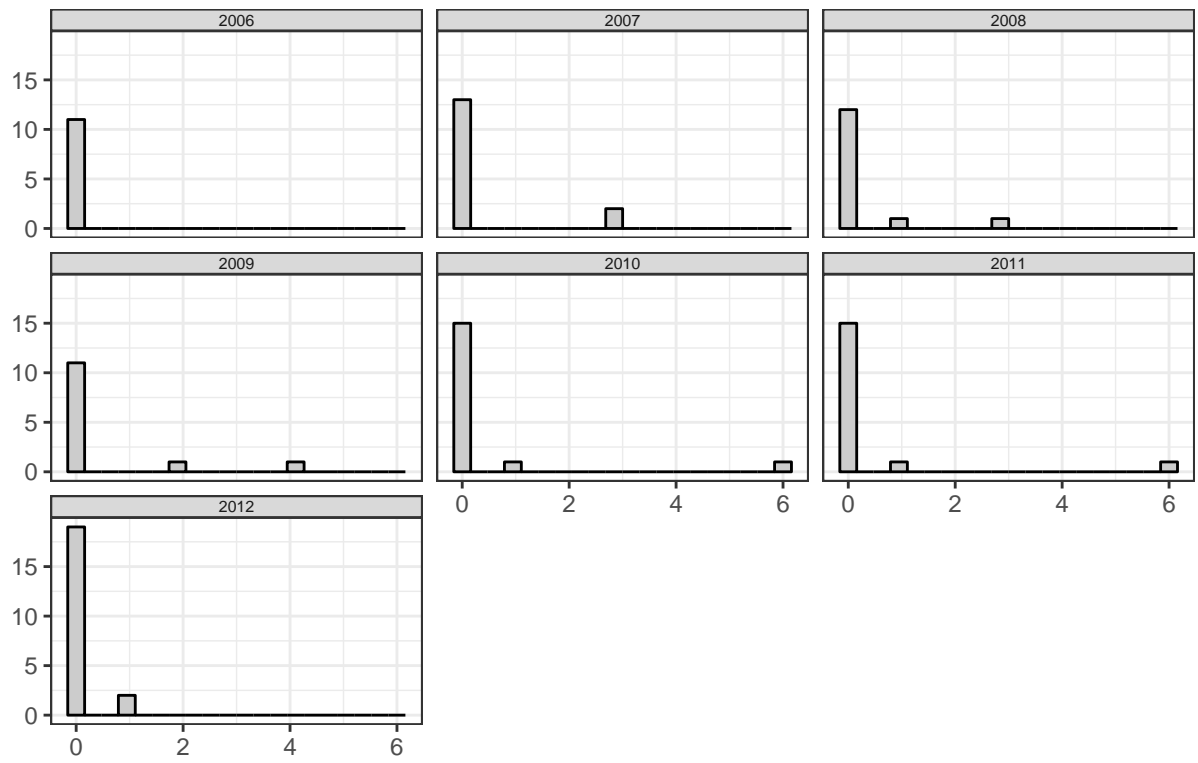
Histogram of Newborn (counts) – Private Insurance



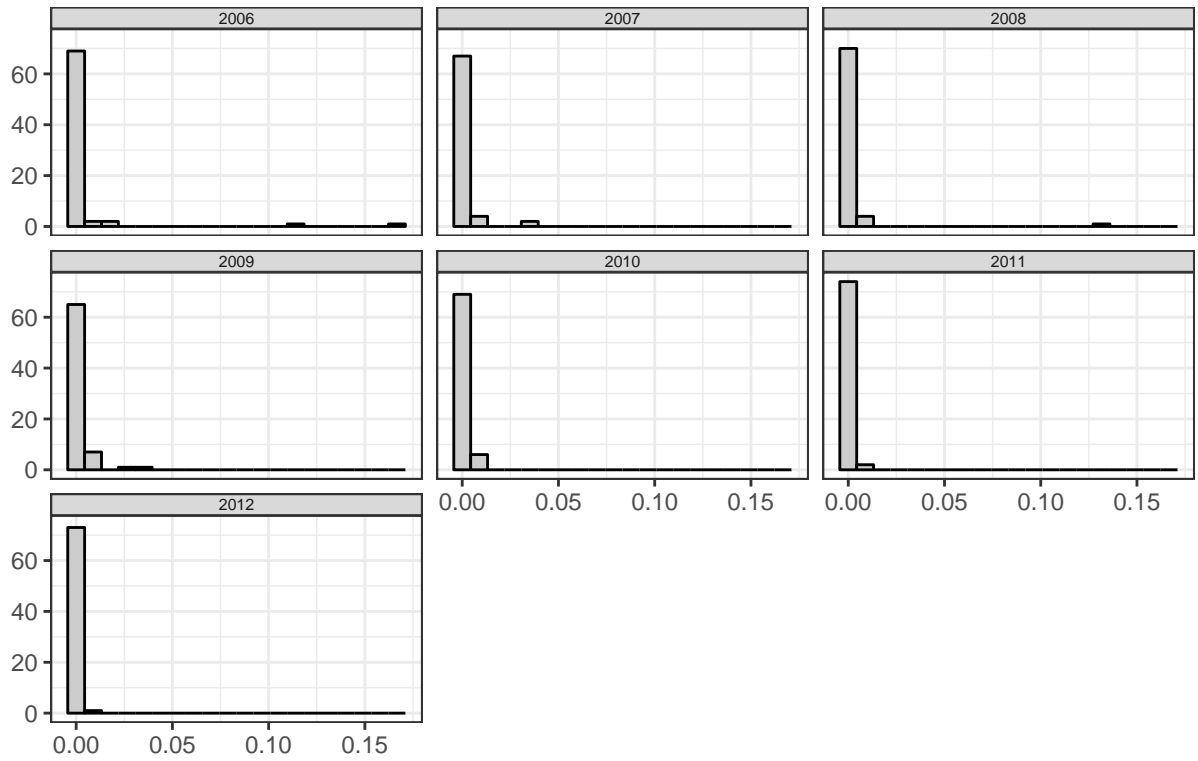
Histogram of Newborn (counts) – Self-Pay



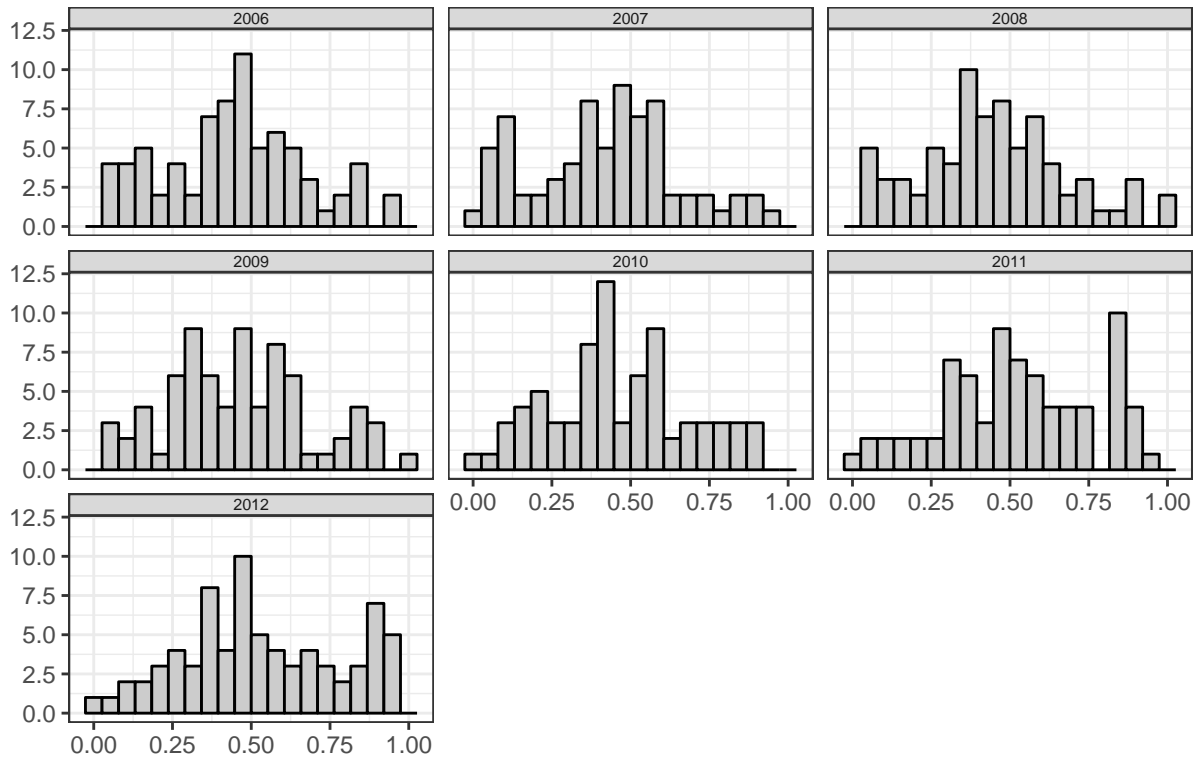
Histogram of Newborn (counts) – No charge



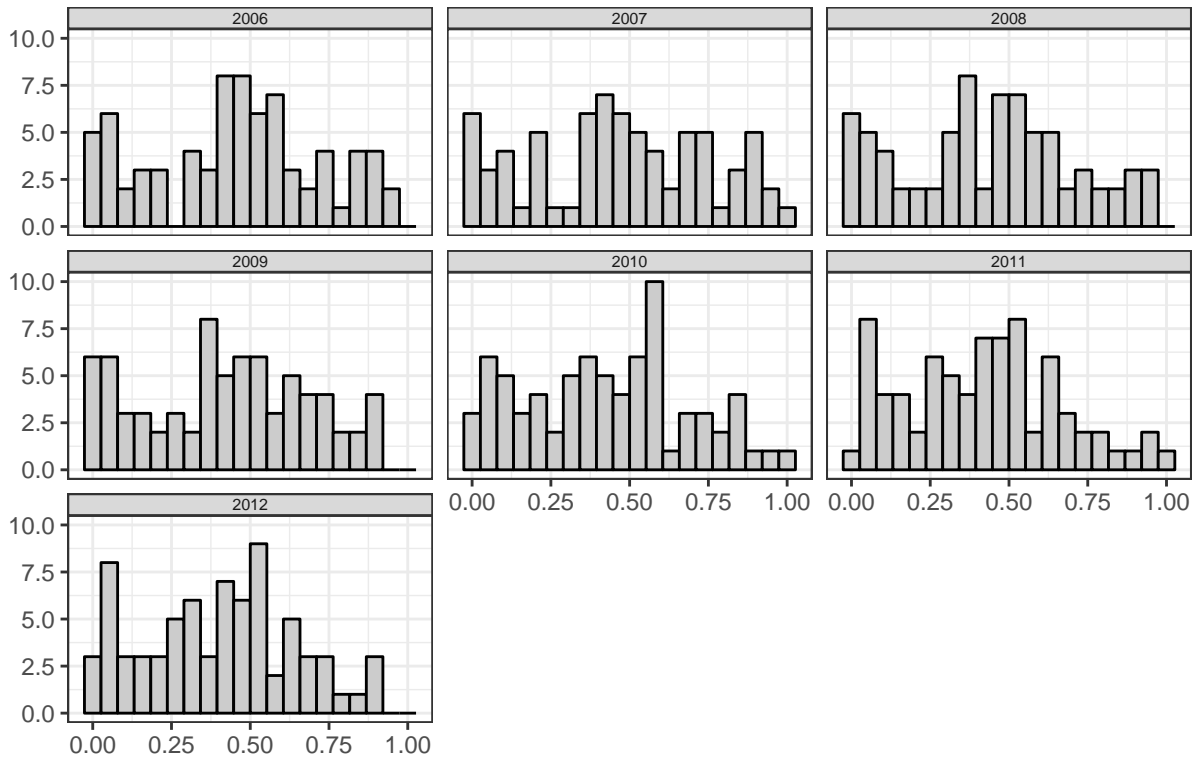
Histogram of Newborn (prop.) – Medicare



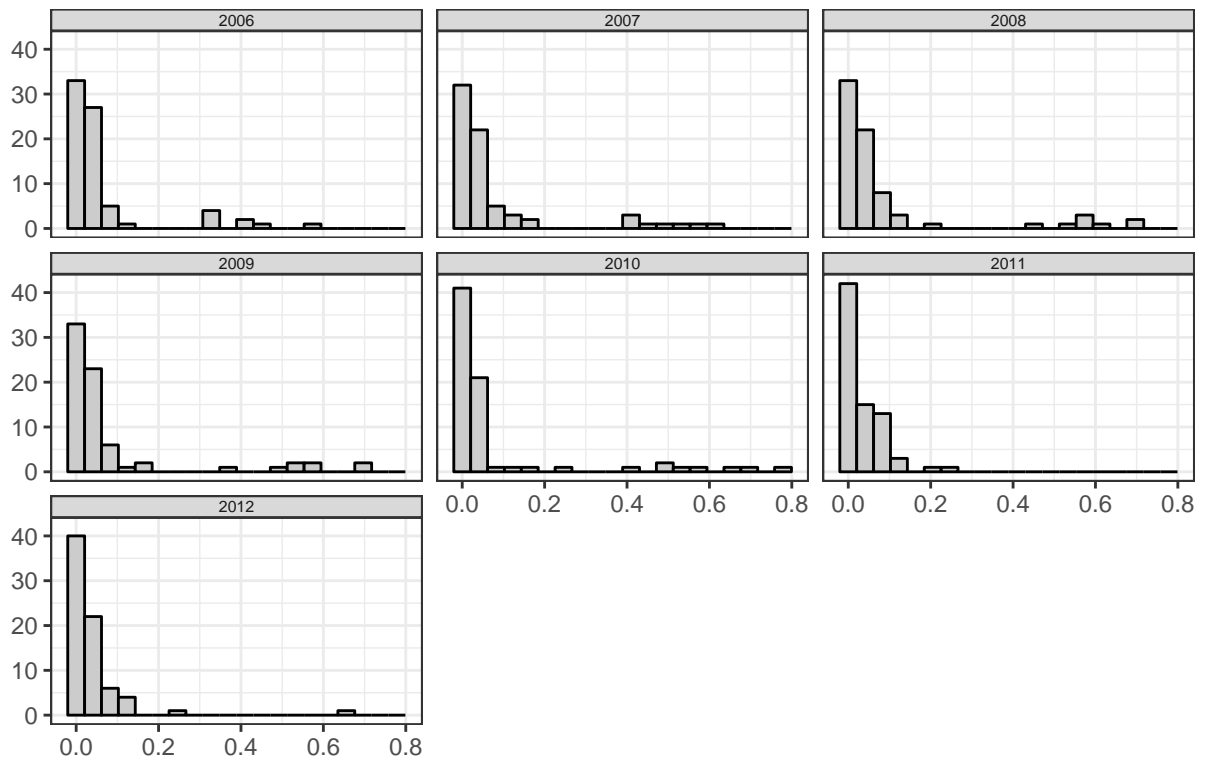
Histogram of Newborn (prop.) – Medicaid



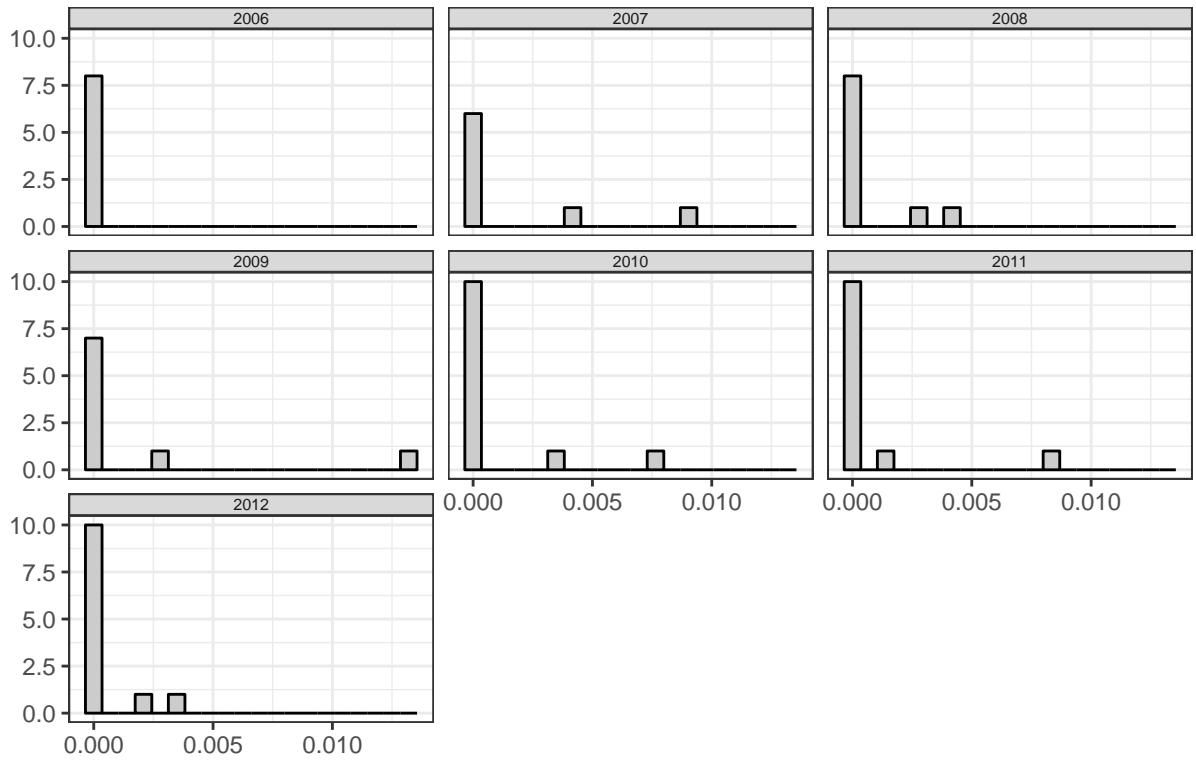
Histogram of Newborn (prop.) – Private Insurance



Histogram of Newborn (prop.) – Self-Pay



Histogram of Newborn (prop.) – No charge



Summary statistics of outcomes

Note: in all tables, unit of analysis is at hospital level

Table 1: Discharges (counts) - Medicare

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 4792 | 4712 | 4936 | 5067 | 5187 | 5247 | 5214 |
| sd | 4736 | 4817 | 5029 | 5252 | 5562 | 5568 | 5661 |
| q1 | 1635 | 1566 | 1644 | 1878 | 1654 | 1670 | 1566 |
| q2 | 3438 | 3440 | 3632 | 3838 | 3840 | 3884 | 3728 |
| q3 | 6117 | 5937 | 6212 | 6125 | 6222 | 6528 | 6469 |
| min | 26 | 29 | 1 | 11 | 1 | 51 | 39 |
| max | 32833 | 32949 | 31480 | 34839 | 36132 | 38067 | 38121 |
| NAs | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table 2: Discharges (counts) - Medicaid

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 3496 | 3307 | 3492 | 3668 | 3800 | 4051 | 4043 |
| sd | 4893 | 4800 | 4817 | 5072 | 5422 | 5582 | 5663 |
| q1 | 551 | 518 | 551 | 612 | 695 | 686 | 632 |
| q2 | 1315 | 1248 | 1531 | 1462 | 1678 | 1652 | 1436 |
| q3 | 4690 | 4312 | 4580 | 4597 | 4765 | 5410 | 5457 |
| min | 3 | 7 | 6 | 2 | 1 | 2 | 2 |
| max | 31904 | 32393 | 28423 | 32137 | 36080 | 36519 | 36578 |
| NAs | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

Table 3: Discharges (counts) - Private Insurance

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 4258 | 4256 | 4244 | 4260 | 4211 | 4233 | 4185 |
| sd | 5689 | 5788 | 5735 | 5893 | 5973 | 5947 | 5965 |
| q1 | 1024 | 989 | 936 | 896 | 854 | 910 | 859 |
| q2 | 2160 | 2174 | 2242 | 2079 | 1897 | 2142 | 2020 |
| q3 | 5297 | 5028 | 4842 | 5016 | 4964 | 4838 | 4864 |
| min | 15 | 31 | 25 | 14 | 10 | 14 | 11 |
| max | 42076 | 43505 | 40892 | 44043 | 44297 | 43370 | 43524 |
| NAs | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

Table 4: Discharges (counts) - Self-Pay

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|-------|-------|------|------|
| mean | 679 | 755 | 797 | 801 | 762 | 501 | 447 |
| sd | 1123 | 1302 | 1500 | 1593 | 1635 | 674 | 567 |
| q1 | 110 | 114 | 107 | 102 | 96 | 96 | 87 |
| q2 | 334 | 355 | 339 | 310 | 276 | 256 | 239 |
| q3 | 647 | 788 | 715 | 699 | 594 | 582 | 598 |
| min | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
| max | 6236 | 8485 | 9532 | 10476 | 11282 | 3854 | 3082 |
| NAs | 4 | 5 | 5 | 6 | 5 | 5 | 4 |

Table 5: Discharges (counts) - No charge

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 42 | 91 | 43 | 50 | 41 | 36 | 33 |
| sd | 47 | 194 | 67 | 65 | 101 | 89 | 60 |
| q1 | 4 | 2 | 1 | 3 | 1 | 1 | 5 |
| q2 | 12 | 19 | 14 | 13 | 9 | 9 | 9 |
| q3 | 73 | 70 | 45 | 93 | 23 | 25 | 40 |
| min | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| max | 119 | 761 | 195 | 205 | 421 | 375 | 273 |
| NAs | 174 | 169 | 164 | 161 | 153 | 150 | 142 |

Table 6: Discharges (prop.) - Medicare

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 0.42 | 0.41 | 0.42 | 0.41 | 0.42 | 0.42 | 0.43 |
| sd | 0.14 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 |
| q1 | 0.33 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 |
| q2 | 0.41 | 0.40 | 0.41 | 0.41 | 0.42 | 0.41 | 0.41 |
| q3 | 0.48 | 0.47 | 0.48 | 0.47 | 0.49 | 0.50 | 0.50 |
| min | 0.07 | 0.09 | 0.09 | 0.10 | 0.08 | 0.17 | 0.17 |
| max | 0.81 | 0.82 | 0.78 | 0.79 | 0.88 | 0.88 | 0.91 |
| NAs | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Table 7: Discharges (prop.) - Medicaid

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 0.21 | 0.20 | 0.21 | 0.22 | 0.22 | 0.24 | 0.24 |
| sd | 0.15 | 0.14 | 0.14 | 0.14 | 0.13 | 0.15 | 0.15 |
| q1 | 0.11 | 0.10 | 0.11 | 0.12 | 0.13 | 0.13 | 0.12 |
| q2 | 0.18 | 0.17 | 0.18 | 0.19 | 0.19 | 0.20 | 0.20 |
| q3 | 0.28 | 0.26 | 0.28 | 0.28 | 0.29 | 0.29 | 0.28 |
| min | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 |
| max | 0.72 | 0.69 | 0.70 | 0.70 | 0.68 | 0.67 | 0.69 |
| NAs | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Table 8: Discharges (prop.) - Private Insurance

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 0.30 | 0.30 | 0.29 | 0.29 | 0.28 | 0.27 | 0.27 |
| sd | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.12 | 0.12 |
| q1 | 0.21 | 0.22 | 0.21 | 0.20 | 0.19 | 0.18 | 0.18 |
| q2 | 0.30 | 0.30 | 0.30 | 0.29 | 0.28 | 0.26 | 0.26 |
| q3 | 0.39 | 0.39 | 0.38 | 0.37 | 0.36 | 0.35 | 0.34 |
| min | 0.03 | 0.03 | 0.03 | 0.04 | 0.03 | 0.05 | 0.05 |
| max | 0.63 | 0.64 | 0.62 | 0.76 | 0.83 | 0.62 | 0.66 |
| NAs | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Table 9: Discharges (prop.) - Self-Pay

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 0.05 | 0.06 | 0.06 | 0.05 | 0.05 | 0.04 | 0.03 |
| sd | 0.06 | 0.07 | 0.09 | 0.08 | 0.08 | 0.03 | 0.03 |
| q1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| q2 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 |
| q3 | 0.06 | 0.06 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 0.34 | 0.35 | 0.75 | 0.45 | 0.45 | 0.17 | 0.15 |
| NAs | 4.00 | 5.00 | 5.00 | 6.00 | 5.00 | 5.00 | 4.00 |

Table 10: Discharges (prop.) - No charge

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|--------|--------|--------|--------|--------|--------|--------|
| mean | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| sd | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 |
| q1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| q2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| q3 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 0.02 | 0.03 | 0.03 | 0.03 | 0.01 | 0.02 | 0.05 |
| NAs | 174.00 | 169.00 | 164.00 | 161.00 | 153.00 | 150.00 | 142.00 |

Table 11: Emergency Dept. (counts) - Medicare

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 3093 | 3132 | 3448 | 3532 | 3694 | 3857 | 3884 |
| sd | 3032 | 3152 | 3483 | 3630 | 3914 | 3918 | 3997 |
| q1 | 1019 | 977 | 1044 | 1064 | 1102 | 1105 | 1014 |
| q2 | 2252 | 2246 | 2554 | 2569 | 2576 | 2845 | 2701 |
| q3 | 4311 | 4428 | 4479 | 4506 | 4669 | 5005 | 5002 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 18824 | 19804 | 22502 | 23448 | 27634 | 26900 | 25321 |
| NAs | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table 12: Emergency Dept. (counts) - Medicaid

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 1493 | 1519 | 1696 | 1817 | 1983 | 2208 | 2222 |
| sd | 2403 | 2588 | 2687 | 2862 | 3129 | 3289 | 3363 |
| q1 | 143 | 135 | 194 | 172 | 216 | 246 | 241 |
| q2 | 524 | 476 | 569 | 668 | 750 | 771 | 749 |
| q3 | 1334 | 1282 | 1940 | 1899 | 2227 | 2670 | 2346 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 16513 | 16591 | 16082 | 17021 | 22937 | 23188 | 22517 |
| NAs | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

Table 13: Emergency Dept. (counts) - Private Insurance

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 1664 | 1697 | 1796 | 1845 | 1843 | 1924 | 1886 |
| sd | 1944 | 2058 | 2164 | 2303 | 2347 | 2340 | 2326 |
| q1 | 410 | 424 | 468 | 458 | 439 | 460 | 448 |
| q2 | 930 | 970 | 1024 | 1046 | 995 | 1111 | 1042 |
| q3 | 2290 | 2114 | 2345 | 2319 | 2279 | 2354 | 2432 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 10018 | 10402 | 13262 | 14351 | 14204 | 13689 | 13034 |
| NAs | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

Table 14: Emergency Dept. (counts) - Self-Pay

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 378 | 459 | 504 | 517 | 518 | 358 | 321 |
| sd | 564 | 830 | 938 | 1036 | 1090 | 498 | 438 |
| q1 | 60 | 64 | 63 | 55 | 52 | 49 | 50 |
| q2 | 175 | 183 | 218 | 206 | 186 | 174 | 147 |
| q3 | 438 | 440 | 483 | 448 | 415 | 423 | 412 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 3216 | 5022 | 5623 | 6387 | 6988 | 2924 | 2485 |
| NAs | 4 | 5 | 5 | 6 | 5 | 5 | 4 |

Table 15: Emergency Dept. (counts) - No charge

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 27 | 74 | 32 | 33 | 26 | 24 | 23 |
| sd | 36 | 169 | 57 | 49 | 72 | 68 | 49 |
| q1 | 2 | 2 | 1 | 3 | 1 | 1 | 2 |
| q2 | 6 | 11 | 6 | 7 | 3 | 1 | 5 |
| q3 | 41 | 50 | 30 | 64 | 14 | 15 | 23 |
| min | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| max | 114 | 658 | 163 | 165 | 299 | 284 | 224 |
| NAs | 174 | 169 | 164 | 161 | 153 | 150 | 142 |

Table 16: Emergency Dept. (prop.) - Medicare

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 0.50 | 0.49 | 0.49 | 0.49 | 0.49 | 0.50 | 0.51 |
| sd | 0.15 | 0.16 | 0.15 | 0.15 | 0.16 | 0.16 | 0.16 |
| q1 | 0.41 | 0.41 | 0.42 | 0.43 | 0.42 | 0.42 | 0.42 |
| q2 | 0.53 | 0.52 | 0.53 | 0.52 | 0.52 | 0.52 | 0.53 |
| q3 | 0.60 | 0.59 | 0.58 | 0.59 | 0.61 | 0.61 | 0.62 |
| min | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 0.79 | 0.90 | 0.80 | 0.76 | 0.82 | 0.82 | 1.00 |
| NAs | 4.00 | 4.00 | 5.00 | 5.00 | 4.00 | 1.00 | 1.00 |

Table 17: Emergency Dept. (prop.) - Medicaid

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 0.18 | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 | 0.20 |
| sd | 0.15 | 0.15 | 0.14 | 0.14 | 0.13 | 0.15 | 0.15 |
| q1 | 0.07 | 0.07 | 0.08 | 0.09 | 0.10 | 0.10 | 0.10 |
| q2 | 0.13 | 0.12 | 0.12 | 0.14 | 0.14 | 0.15 | 0.15 |
| q3 | 0.23 | 0.22 | 0.24 | 0.24 | 0.26 | 0.27 | 0.26 |
| min | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| max | 0.79 | 0.81 | 0.79 | 0.85 | 0.69 | 0.64 | 0.65 |
| NAs | 4.00 | 4.00 | 6.00 | 5.00 | 4.00 | 1.00 | 1.00 |

Table 18: Emergency Dept. (prop.) - Private Insurance

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 0.25 | 0.26 | 0.25 | 0.25 | 0.24 | 0.24 | 0.23 |
| sd | 0.10 | 0.12 | 0.11 | 0.12 | 0.13 | 0.13 | 0.12 |
| q1 | 0.19 | 0.19 | 0.18 | 0.17 | 0.16 | 0.16 | 0.15 |
| q2 | 0.24 | 0.25 | 0.25 | 0.24 | 0.22 | 0.22 | 0.21 |
| q3 | 0.29 | 0.31 | 0.30 | 0.30 | 0.29 | 0.29 | 0.29 |
| min | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.00 | 0.00 |
| max | 0.60 | 0.90 | 0.79 | 0.86 | 1.00 | 1.00 | 1.00 |
| NAs | 4.00 | 4.00 | 6.00 | 5.00 | 4.00 | 1.00 | 1.00 |

Table 19: Emergency Dept. (prop.) - Self-Pay

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|-------|------|------|------|
| mean | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 |
| sd | 0.05 | 0.07 | 0.09 | 0.07 | 0.08 | 0.03 | 0.03 |
| q1 | 0.02 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| q2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 |
| q3 | 0.06 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 | 0.04 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 0.34 | 0.38 | 0.75 | 0.43 | 0.40 | 0.18 | 0.17 |
| NAs | 8.00 | 8.00 | 9.00 | 11.00 | 9.00 | 6.00 | 5.00 |

Table 20: Emergency Dept. (prop.) - No charge

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|--------|--------|--------|--------|--------|--------|--------|
| mean | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| sd | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 |
| q1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| q2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| q3 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 0.01 | 0.04 | 0.03 | 0.03 | 0.02 | 0.08 | 0.11 |
| NAs | 174.00 | 170.00 | 164.00 | 161.00 | 153.00 | 150.00 | 142.00 |

Table 21: Mental Health/Substance Abuse (counts) - Medicare

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 220 | 210 | 218 | 225 | 236 | 240 | 237 |
| sd | 279 | 276 | 263 | 281 | 300 | 311 | 295 |
| q1 | 4 | 4 | 4 | 3 | 4 | 2 | 3 |
| q2 | 146 | 124 | 138 | 146 | 150 | 150 | 168 |
| q3 | 323 | 299 | 311 | 328 | 339 | 352 | 378 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 1761 | 1857 | 1296 | 1723 | 1783 | 1830 | 1585 |
| NAs | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table 22: Mental Health/Substance Abuse (counts) - Medicaid

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 584 | 528 | 538 | 548 | 566 | 577 | 559 |
| sd | 1027 | 914 | 924 | 936 | 908 | 889 | 863 |
| q1 | 3 | 2 | 2 | 2 | 3 | 4 | 4 |
| q2 | 191 | 192 | 201 | 220 | 238 | 252 | 224 |
| q3 | 586 | 534 | 580 | 546 | 694 | 696 | 768 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 6637 | 5305 | 5470 | 5534 | 5628 | 5305 | 5406 |
| NAs | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

Table 23: Mental Health/Substance Abuse (counts) - Private Insurance

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 176 | 177 | 184 | 188 | 197 | 204 | 211 |
| sd | 264 | 266 | 247 | 285 | 333 | 342 | 334 |
| q1 | 6 | 3 | 6 | 3 | 4 | 4 | 2 |
| q2 | 90 | 91 | 93 | 99 | 100 | 106 | 123 |
| q3 | 256 | 254 | 267 | 275 | 270 | 270 | 278 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 2217 | 2260 | 1201 | 2556 | 2934 | 2863 | 2717 |
| NAs | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

Table 24: Mental Health/Substance Abuse (counts) - Self-Pay

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 104 | 110 | 110 | 110 | 103 | 83 | 73 |
| sd | 156 | 168 | 167 | 174 | 179 | 155 | 128 |
| q1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 |
| q2 | 33 | 45 | 47 | 44 | 39 | 31 | 26 |
| q3 | 135 | 142 | 129 | 130 | 108 | 99 | 97 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 878 | 1027 | 906 | 1006 | 1037 | 1430 | 1133 |
| NAs | 4 | 5 | 5 | 6 | 5 | 5 | 4 |

Table 25: Mental Health/Substance Abuse (counts) - No charge

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 3 | 20 | 3 | 6 | 4 | 4 | 5 |
| sd | 5 | 61 | 6 | 13 | 10 | 10 | 11 |
| q1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| q3 | 4 | 0 | 2 | 3 | 3 | 1 | 3 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 17 | 238 | 17 | 47 | 36 | 41 | 40 |
| NAs | 174 | 169 | 164 | 161 | 153 | 150 | 142 |

Table 26: Mental Health/Substance Abuse (prop.) - Medicare

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 0.24 | 0.24 | 0.25 | 0.24 | 0.25 | 0.25 | 0.25 |
| sd | 0.18 | 0.16 | 0.18 | 0.16 | 0.17 | 0.18 | 0.17 |
| q1 | 0.13 | 0.13 | 0.15 | 0.14 | 0.15 | 0.16 | 0.16 |
| q2 | 0.21 | 0.22 | 0.22 | 0.21 | 0.22 | 0.22 | 0.22 |
| q3 | 0.31 | 0.30 | 0.31 | 0.31 | 0.29 | 0.30 | 0.30 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NAs | 25.00 | 24.00 | 25.00 | 23.00 | 25.00 | 21.00 | 23.00 |

Table 27: Mental Health/Substance Abuse (prop.) - Medicaid

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 0.39 | 0.40 | 0.37 | 0.40 | 0.42 | 0.42 | 0.42 |
| sd | 0.24 | 0.24 | 0.22 | 0.22 | 0.20 | 0.21 | 0.20 |
| q1 | 0.23 | 0.22 | 0.21 | 0.25 | 0.28 | 0.29 | 0.30 |
| q2 | 0.35 | 0.36 | 0.33 | 0.39 | 0.42 | 0.41 | 0.42 |
| q3 | 0.56 | 0.57 | 0.50 | 0.55 | 0.55 | 0.56 | 0.54 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NAs | 25.00 | 24.00 | 25.00 | 23.00 | 25.00 | 21.00 | 23.00 |

Table 28: Mental Health/Substance Abuse (prop.) - Private Insurance

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 0.22 | 0.22 | 0.24 | 0.24 | 0.22 | 0.22 | 0.23 |
| sd | 0.16 | 0.16 | 0.17 | 0.19 | 0.16 | 0.15 | 0.16 |
| q1 | 0.09 | 0.10 | 0.11 | 0.12 | 0.11 | 0.10 | 0.10 |
| q2 | 0.22 | 0.22 | 0.21 | 0.23 | 0.21 | 0.21 | 0.21 |
| q3 | 0.32 | 0.31 | 0.31 | 0.34 | 0.30 | 0.30 | 0.31 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NAs | 25.00 | 24.00 | 25.00 | 23.00 | 25.00 | 21.00 | 23.00 |

Table 29: Mental Health/Substance Abuse (prop.) - Self-Pay

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|-------|-------|-------|-------|-------|-------|-------|
| mean | 0.12 | 0.12 | 0.11 | 0.09 | 0.09 | 0.09 | 0.07 |
| sd | 0.15 | 0.12 | 0.11 | 0.09 | 0.07 | 0.13 | 0.06 |
| q1 | 0.03 | 0.04 | 0.04 | 0.02 | 0.03 | 0.03 | 0.02 |
| q2 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.07 | 0.06 |
| q3 | 0.16 | 0.15 | 0.16 | 0.13 | 0.13 | 0.11 | 0.10 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 1.00 | 1.00 | 1.00 | 0.67 | 0.40 | 1.00 | 0.31 |
| NAs | 28.00 | 27.00 | 28.00 | 26.00 | 28.00 | 24.00 | 26.00 |

Table 30: Mental Health/Substance Abuse (prop.) - No charge

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|--------|--------|--------|--------|--------|--------|--------|
| mean | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| sd | 0.02 | 0.03 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 |
| q1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| q2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| q3 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 0.07 | 0.10 | 0.01 | 0.04 | 0.03 | 0.02 | 0.01 |
| NAs | 174.00 | 169.00 | 164.00 | 161.00 | 154.00 | 152.00 | 143.00 |

Table 31: Newborn (counts) - Medicare

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| sd | 1 | 1 | 3 | 1 | 1 | 0 | 0 |
| q1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 13 | 6 | 43 | 12 | 4 | 5 | 2 |
| NAs | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table 32: Newborn (counts) - Medicaid

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 85 | 80 | 83 | 88 | 92 | 104 | 103 |
| sd | 161 | 148 | 145 | 152 | 160 | 180 | 179 |
| q1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q3 | 114 | 112 | 127 | 136 | 132 | 142 | 150 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 963 | 693 | 739 | 794 | 761 | 1007 | 1017 |
| NAs | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

Table 33: Newborn (counts) - Private Insurance

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 81 | 80 | 81 | 84 | 85 | 86 | 83 |
| sd | 160 | 165 | 168 | 175 | 181 | 185 | 184 |
| q1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q3 | 90 | 80 | 85 | 88 | 83 | 99 | 84 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 918 | 1124 | 1203 | 1333 | 1319 | 1478 | 1492 |
| NAs | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

Table 34: Newborn (counts) - Self-Pay

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 13 | 18 | 21 | 20 | 20 | 6 | 5 |
| sd | 50 | 88 | 95 | 87 | 95 | 16 | 11 |
| q1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q3 | 5 | 5 | 6 | 6 | 4 | 4 | 6 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 469 | 1008 | 1023 | 916 | 1011 | 105 | 94 |
| NAs | 4 | 5 | 5 | 6 | 5 | 5 | 4 |

Table 35: Newborn (counts) - No charge

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|------|------|------|------|------|------|
| mean | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| sd | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| q1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| q3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| min | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| max | 0 | 3 | 3 | 4 | 6 | 6 | 1 |
| NAs | 174 | 169 | 164 | 161 | 153 | 150 | 142 |

Table 36: Newborn (prop.) - Medicare

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|--------|--------|--------|-------|-------|-------|-------|
| mean | 0.00 | 0.00 | 0.00 | 0e+00 | 0.00 | 0.00 | 0.00 |
| sd | 0.02 | 0.01 | 0.02 | 1e-02 | 0.00 | 0.00 | 0.00 |
| q1 | 0.00 | 0.00 | 0.00 | 0e+00 | 0.00 | 0.00 | 0.00 |
| q2 | 0.00 | 0.00 | 0.00 | 0e+00 | 0.00 | 0.00 | 0.00 |
| q3 | 0.00 | 0.00 | 0.00 | 0e+00 | 0.00 | 0.00 | 0.00 |
| min | 0.00 | 0.00 | 0.00 | 0e+00 | 0.00 | 0.00 | 0.00 |
| max | 0.17 | 0.04 | 0.13 | 4e-02 | 0.01 | 0.01 | 0.01 |
| NAs | 110.00 | 111.00 | 103.00 | 1e+02 | 95.00 | 91.00 | 89.00 |

Table 37: Newborn (prop.) - Medicaid

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|--------|--------|--------|--------|-------|-------|-------|
| mean | 0.45 | 0.42 | 0.45 | 0.46 | 0.46 | 0.53 | 0.53 |
| sd | 0.22 | 0.23 | 0.23 | 0.23 | 0.22 | 0.24 | 0.25 |
| q1 | 0.29 | 0.27 | 0.30 | 0.32 | 0.31 | 0.35 | 0.36 |
| q2 | 0.46 | 0.44 | 0.44 | 0.46 | 0.43 | 0.53 | 0.50 |
| q3 | 0.59 | 0.56 | 0.58 | 0.60 | 0.59 | 0.71 | 0.73 |
| min | 0.05 | 0.00 | 0.04 | 0.06 | 0.00 | 0.00 | 0.00 |
| max | 0.93 | 0.92 | 1.00 | 1.00 | 0.91 | 0.94 | 0.95 |
| NAs | 110.00 | 111.00 | 103.00 | 100.00 | 95.00 | 91.00 | 89.00 |

Table 38: Newborn (prop.) - Private Insurance

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|--------|--------|--------|--------|-------|-------|-------|
| mean | 0.46 | 0.47 | 0.43 | 0.43 | 0.43 | 0.42 | 0.40 |
| sd | 0.27 | 0.28 | 0.27 | 0.26 | 0.26 | 0.25 | 0.24 |
| q1 | 0.26 | 0.23 | 0.24 | 0.20 | 0.21 | 0.24 | 0.22 |
| q2 | 0.47 | 0.49 | 0.46 | 0.43 | 0.43 | 0.43 | 0.41 |
| q3 | 0.63 | 0.68 | 0.62 | 0.63 | 0.59 | 0.58 | 0.53 |
| min | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.02 | 0.00 |
| max | 0.93 | 1.00 | 0.93 | 0.91 | 1.00 | 1.00 | 0.92 |
| NAs | 110.00 | 111.00 | 103.00 | 100.00 | 95.00 | 91.00 | 89.00 |

Table 39: Newborn (prop.) - Self-Pay

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|--------|--------|--------|--------|-------|-------|-------|
| mean | 0.07 | 0.08 | 0.09 | 0.09 | 0.09 | 0.04 | 0.04 |
| sd | 0.12 | 0.15 | 0.18 | 0.17 | 0.18 | 0.05 | 0.08 |
| q1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 |
| q2 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 |
| q3 | 0.05 | 0.06 | 0.07 | 0.05 | 0.05 | 0.05 | 0.04 |
| min | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| max | 0.57 | 0.61 | 0.70 | 0.70 | 0.78 | 0.26 | 0.67 |
| NAs | 111.00 | 112.00 | 103.00 | 101.00 | 96.00 | 92.00 | 89.00 |

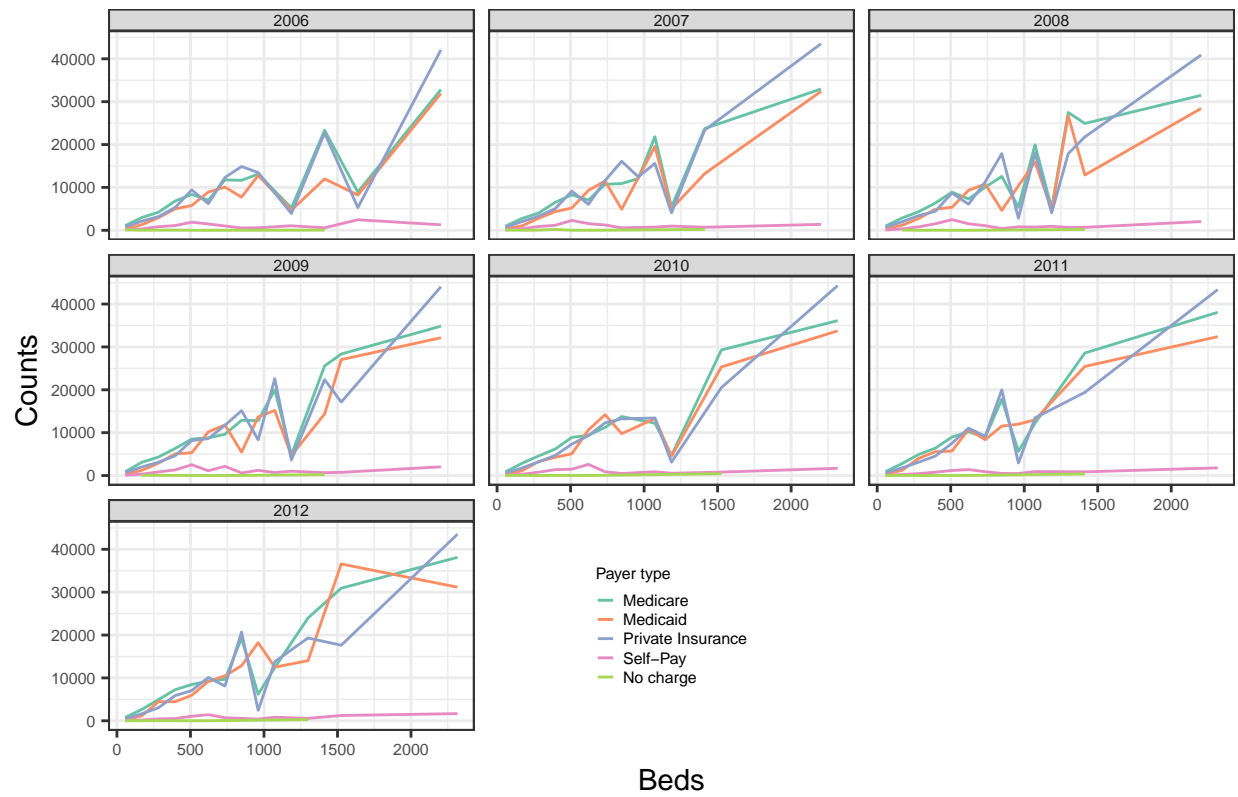
Table 40: Newborn (prop.) - No charge

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
|------|------|--------|------|--------|--------|--------|------|
| mean | 0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| sd | 0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| q1 | 0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| q2 | 0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| q3 | 0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| min | 0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0 |
| max | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0 |
| NAs | 177 | 176.00 | 168 | 165.00 | 158.00 | 155.00 | 151 |

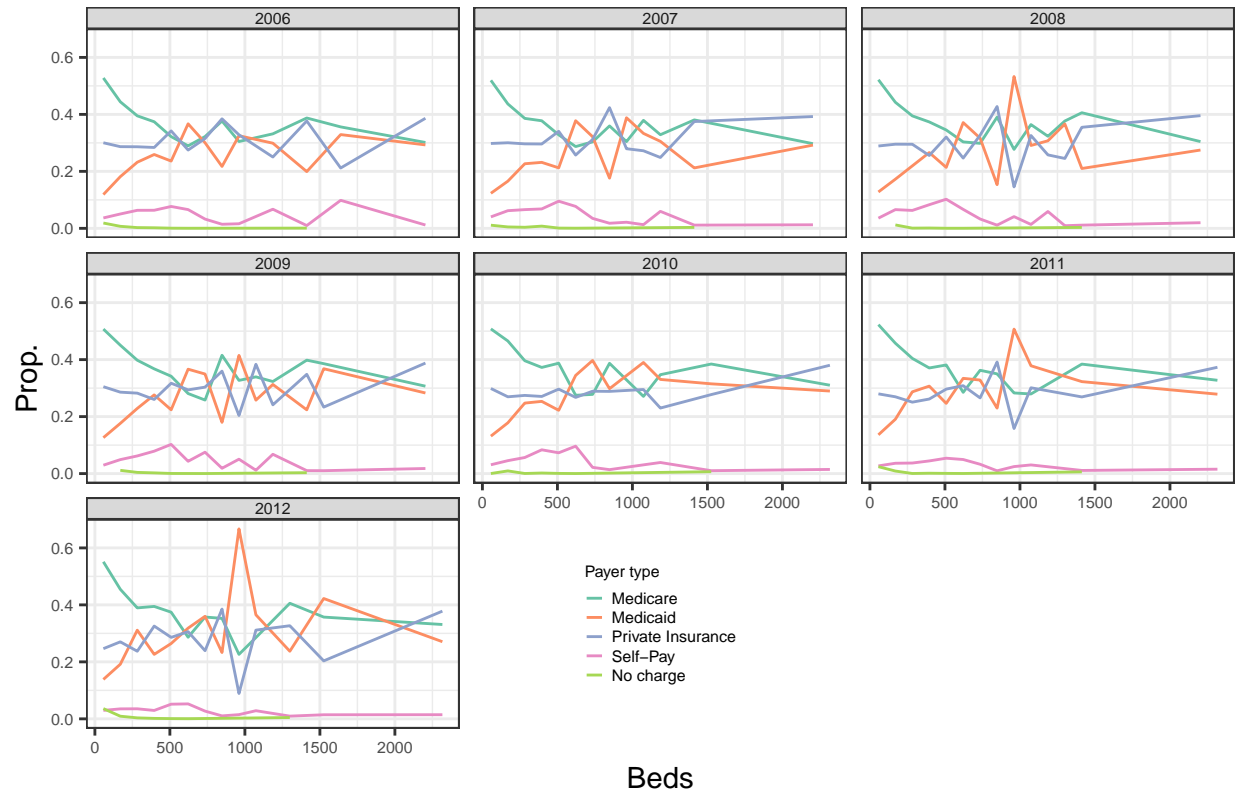
Scatterplots of outcomes vs beds

Note: in all plots, beds are binned (bins=20) on the x-axis

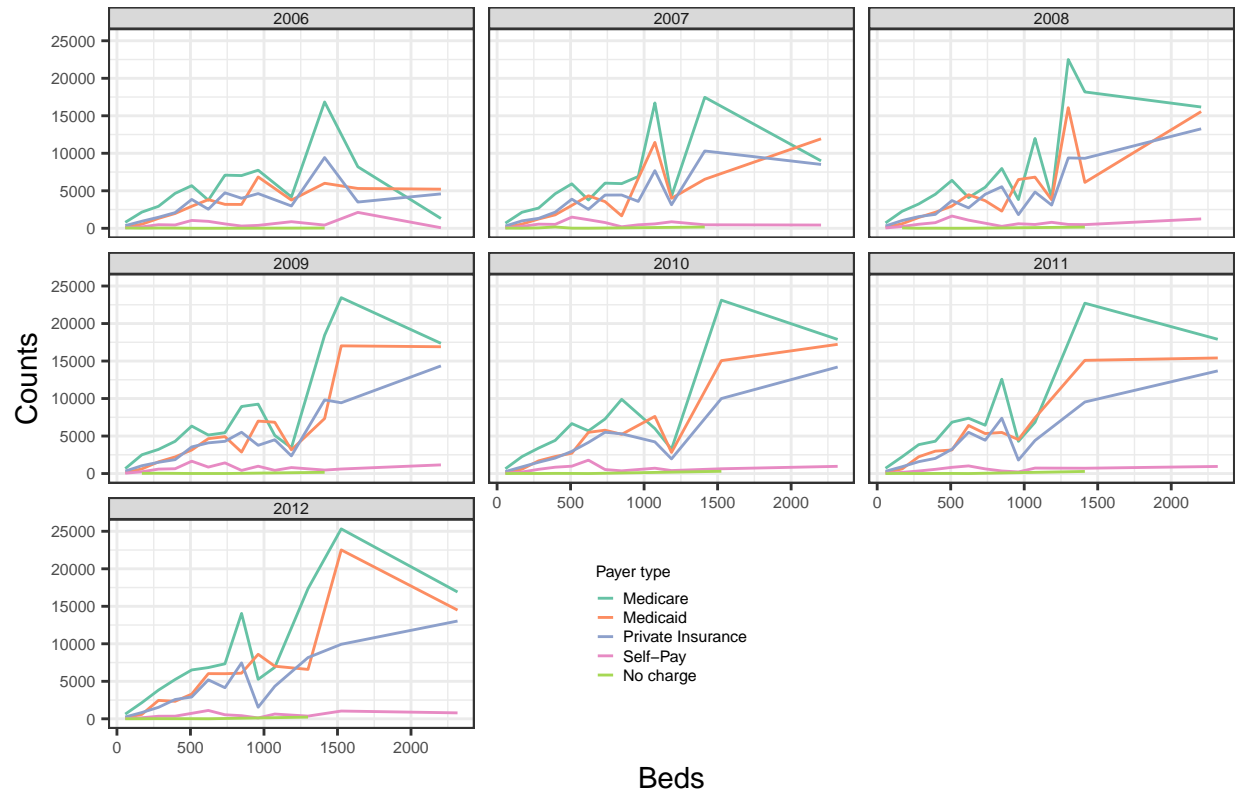
Discharges (counts)



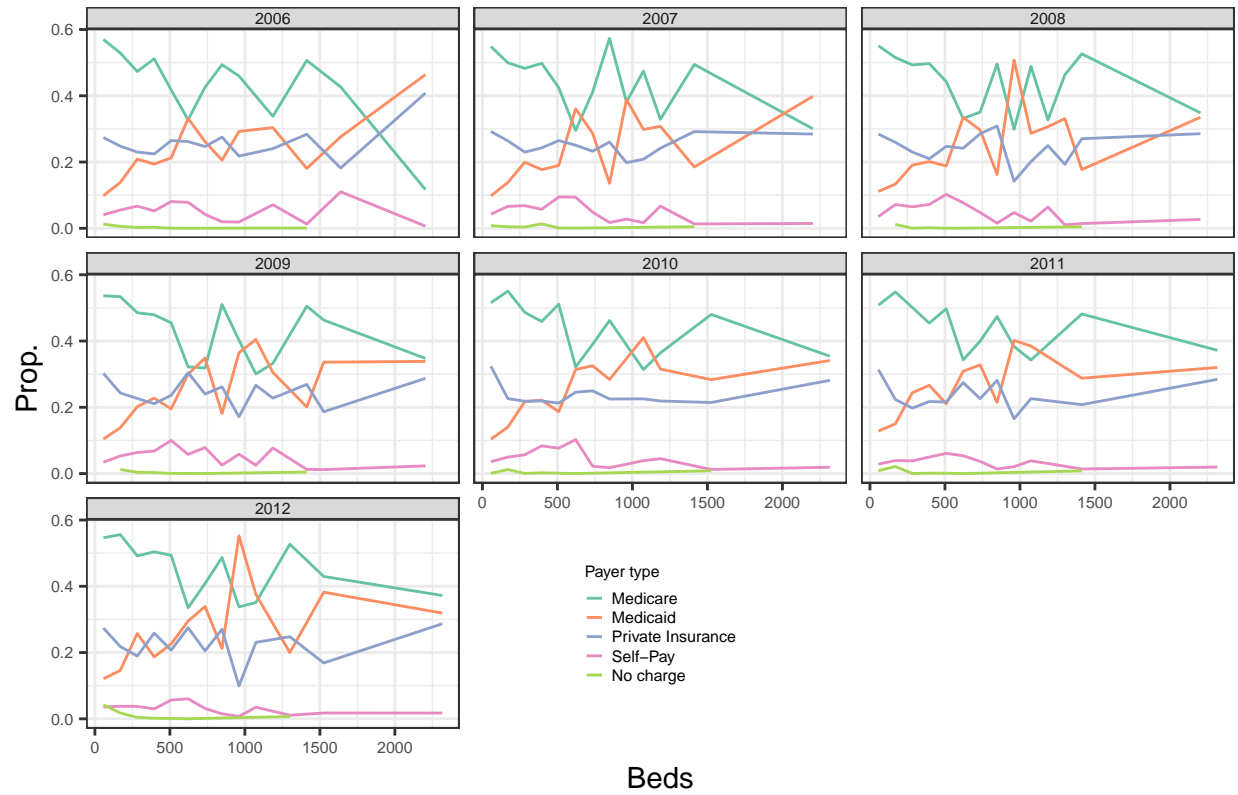
Discharges (prop.)



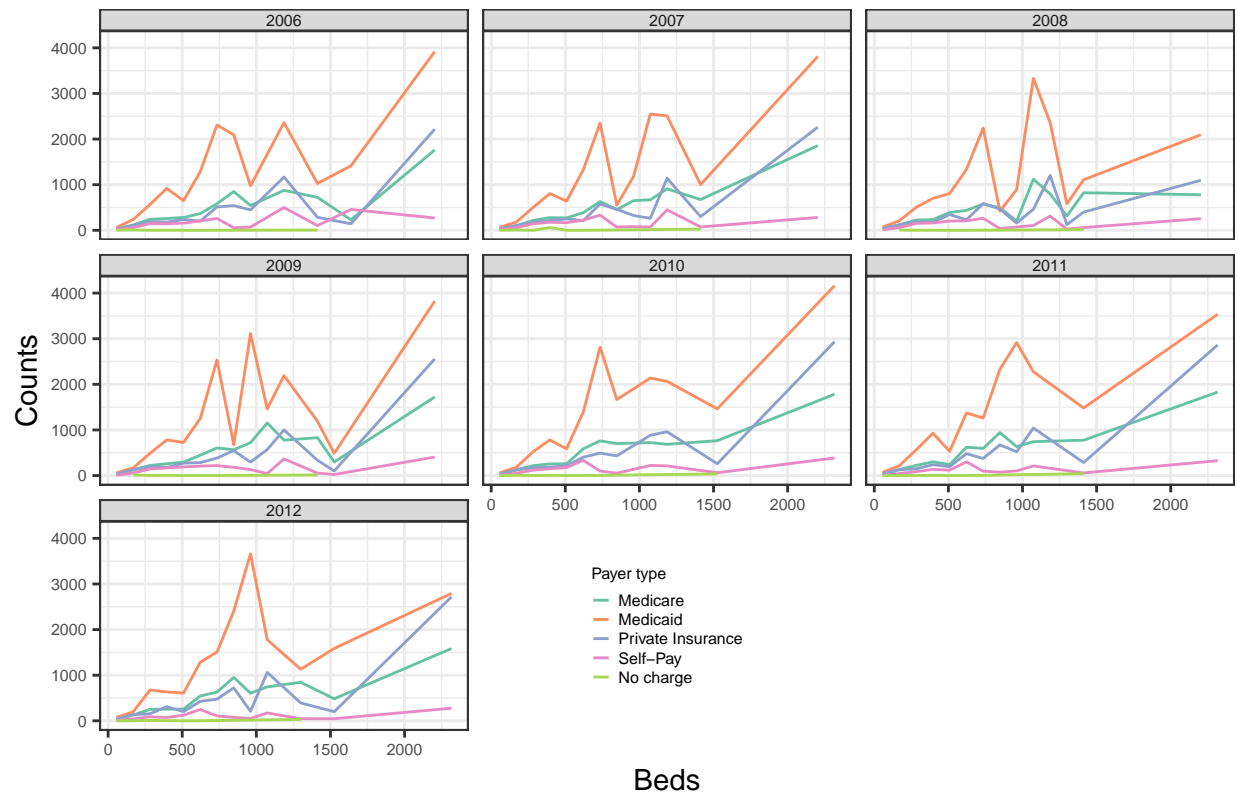
Emergency Dept. (counts)



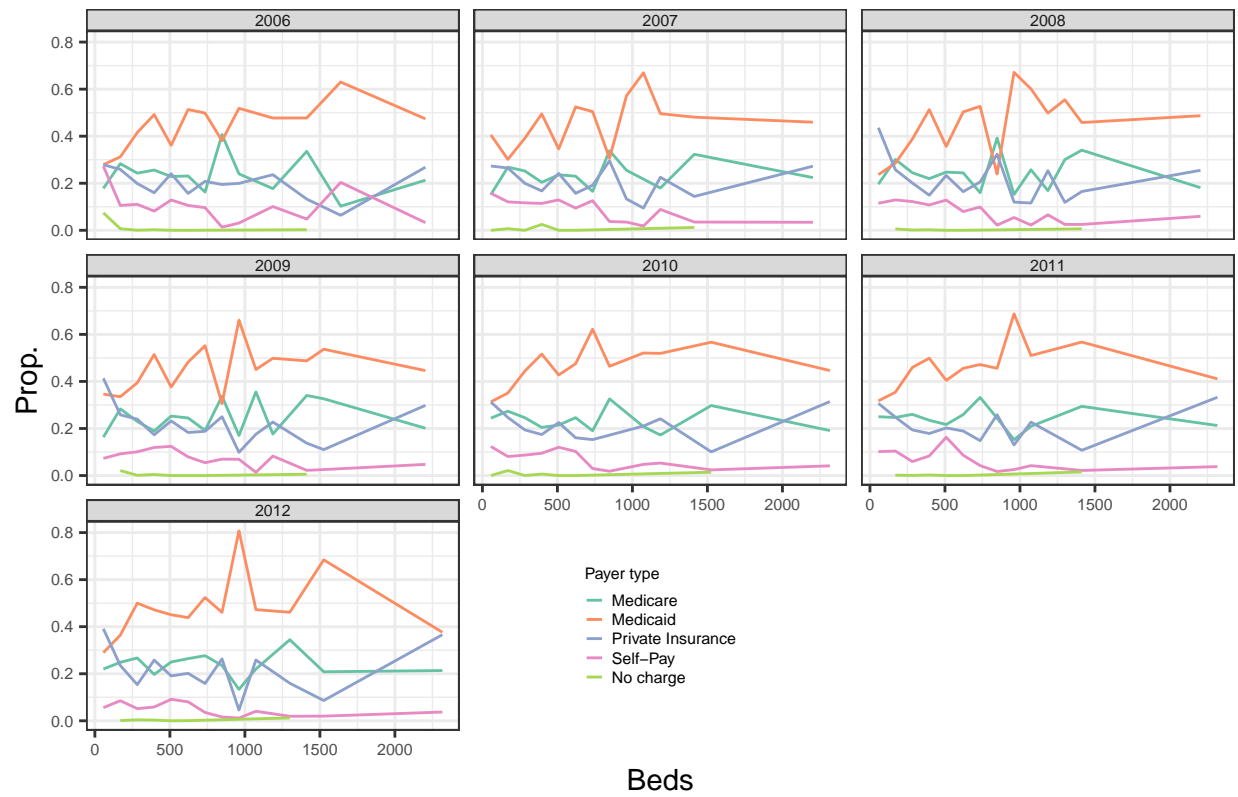
Emergency Dept. (prop.)



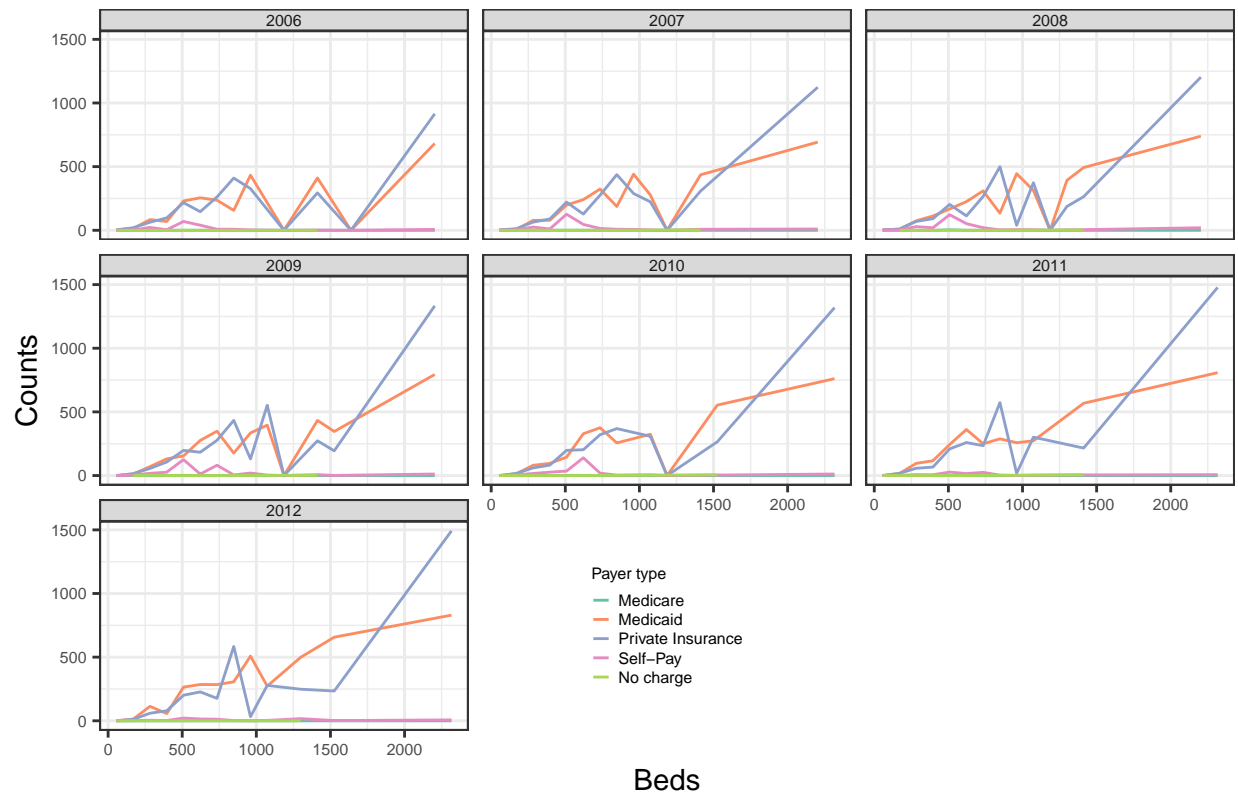
Mental Health/Substance Abuse (counts)



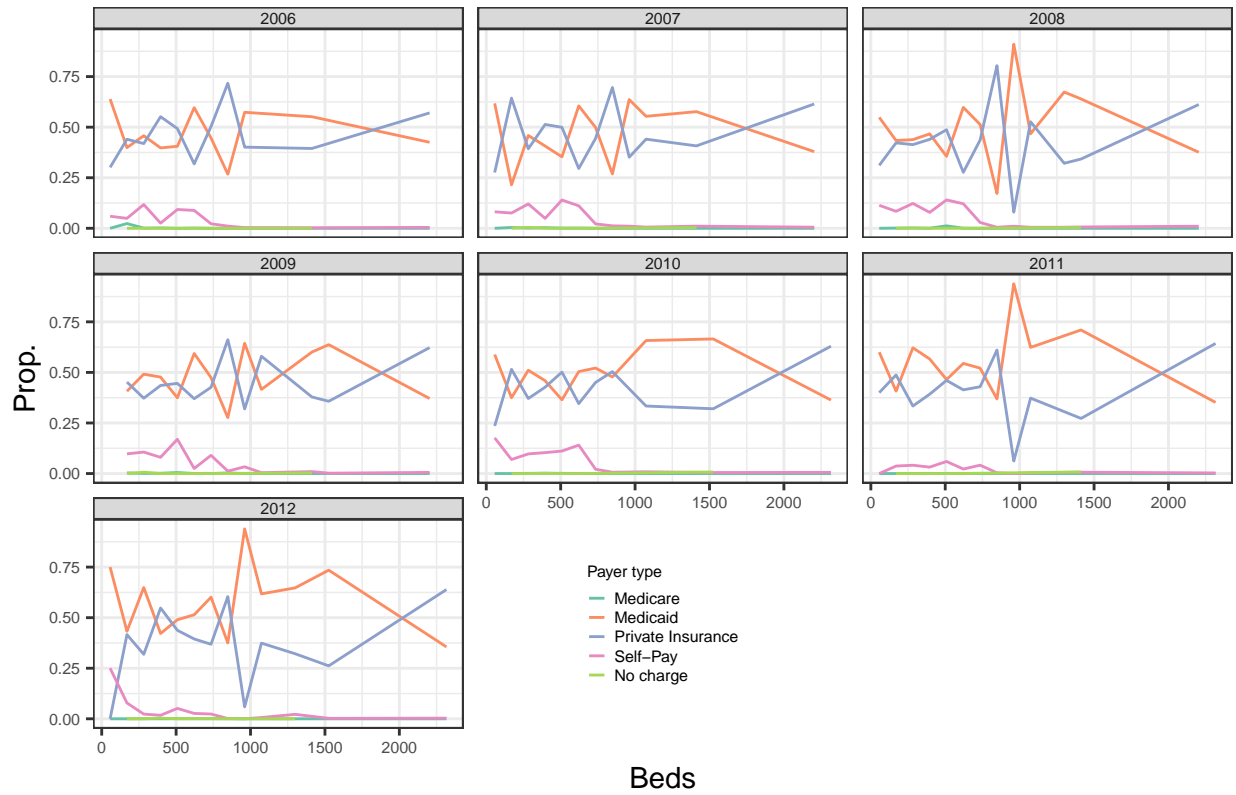
Mental Health/Substance Abuse (prop.)



Newborn (counts)



Newborn (prop.)



Distribution of DRG codes within service utilization flags