**eTable 2. Characteristics of patients by medication classes**

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| --- | --- | --- | --- | --- | --- |
| Class | Antilipids | Antipsychotics | Antiepileptics | Antidiabetics | Antidepressants |
| N | 771 | 704 | 2,376 | 226 | 4,647 |
| Age | 51.7±8.4 | 37.8±13.8 | 39.6±12.6 | 51.1±9.9 | 38.7±12.9 |
| Female | 38.26% | 51.99% | 53.32% | 38.05% | 52.85% |

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| Year of the first opioid use disorder diagnosis |
| 2011 | 28.92% | 33.52% | 28.16% | 28.76% | 29.50% |
| 2012 | 23.87% | 28.27% | 25.34% | 21.24% | 26.23% |
| 2013 | 22.31% | 23.58% | 23.86% | 22.57% | 23.09% |
| 2014 | 18.29% | 12.36% | 16.75% | 18.58% | 15.58% |
| 2015 | 6.61% | 2.27% | 5.89% | 8.85% | 5.60% |
| Year of the first buprenorphine prescription |
| 2011 | 22.05% | 20.17% | 18.69% | 21.24% | 20.14% |
| 2012 | 20.49% | 25.28% | 22.39% | 15.93% | 24.51% |
| 2013 | 24.38% | 25.85% | 24.03% | 23.45% | 24.55% |
| 2014 | 22.57% | 21.16% | 23.32% | 24.78% | 20.53% |
| 2015 | 10.51% | 7.53% | 11.57% | 14.60% | 10.26% |

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| Year of the first chronic medication prescription |
| 2010 | 52.79% | 35.51% | 39.98% | 53.10% | 47.58% |
| 2011 | 19.58% | 27.70% | 23.70% | 19.91% | 21.84% |
| 2012 | 11.67% | 16.90% | 15.11% | 9.73% | 13.94% |
| 2013 | 11.15% | 15.63% | 15.57% | 10.18% | 12.29% |
| 2014 | 4.80% | 4.26% | 5.64% | 7.08% | 4.35% |
| Morbidity / Chronic Classification Software  |
| <=5 | 17.64% | 21.16% | 21.55% | 14.16% | 27.18% |
| 6 – 10 | 30.09% | 31.11% | 29.63% | 24.78% | 30.97% |
| 10 – 15 | 23.35% | 20.03% | 21.30% | 26.11% | 20.06% |
| 16 – 20 | 14.53% | 13.64% | 13.68% | 14.16% | 11.58% |
| >20 | 14.40% | 14.06% | 13.85% | 20.80% | 10.22% |
| Prescriptions and adherence of medications |
| # of prescriptions | 6.1±4.5 | 6.8±5.2 | 8.3±6.4 | 7.9±5.7 | 9.2±6.7 |
| Pre-Index adherence | 61.6%±33.3% | 47.1%±35.1% | 54.0%±35.6% | 63.3%±33.1% | 55.8%±35.4% |
| Adherence after buprenorphine initiation | 56.3%±36.4% | 47.5%±37.3% | 48.9%±37.7% | 63.5%±34.8% | 59.1%±35.7% |
| Buprenorphine adherence | 85.0%±19.2% | 80.7%±21.0% | 83.7%±20.0% | 82.9%±19.9% | 83.7%±19.8% |