**Estimation of the average annual cost of dementia medication**

|  |  |  |
| --- | --- | --- |
| **Cost and unit estimation** | **2017/18 value** | **Notes** |
|  |  | All medication prices were taken from the current BNF (last updated 30 May 2019). Prices were deflated to 2017/18 prices for consistency with the other costs presented. |
| Donepezil hydrochloride annual drug tariff | £12.27 | Based on BNF recommendations of 5mg once daily for one month and increased up to 10mg daily if necessary and drug tariff price of 28 5mg tablets for £0.83 and 28 10mg tablets of £0.97. Reference [1] below. Deflated from 2019 figure of £12.49. |
| Galantamine annual drug tariff | £818.27 | Based on BNF recommendations for modified release capsules of 8mg once daily for 4 weeks, increased to 16mg once daily for at least 4 weeks. Assume maintenance at 16mg daily. Drug tariff prices of £51.88 for 28 8mg and £64.90 for 28 16gm moderate release capsules. Reference [2] below. Deflated from 2019 figure of £833. |
|  | £979.79 | This figure assumes the higher end of the usual dose range (16-24) for galantamine. Based on drug tarrif price of £79.80 for 28 24mg capsules. Reference [2] below. Deflated from 2019 figure of £997.43. |
| Memantine hydrochloride annual drug tariff | £60.22 | Based on BNF recommendations of 5gm once daily, then increased in steps of 5mg every week; maintenance at 20mg daily. Drug tariff prices of £43.13 for 28 5mg/10mg/15mg/20mg tablets treatment initiation pack and £1.51 for 28 20mg tablets. Reference [3] below. Deflated from 2019 figure of £61.30. |
| Rivastigmine annual drug tariff | £39.83 | Based on BNF recommendations of 1.5mg twice daily, increasing at least every two weeks in steps of 1.5mg twice daily; assume usual dose 3mg. Drug tariff prices £2.52 for 28 1.5mg tablets, £3.16 for 28 3mg tablets. Reference [4] below. Deflated from 2019 figure of £40.55. |
|  | £316.26 | This figure assumes the higher end of the usual dose range (3-6) for rivastigmine. Based on £23.53 for 28 4.5mg tablets and £29.17 for 28 6mg tablets. Reference [4] below. Deflated from 2019 figure of £321.95 |
| **Average annual unit cost for lower use** | **£232.65** | This figure uses estimates which assume the lower end of the range for BNF recommendations of the usual dose of galantamine and rivastigmine. |
| **Average annual unit cost for higher use** | **£342.14** | This figure uses estimates which assume the higher end of the range for BNF recommendations of the usual dose of galantamine and rivastigmne. |

|  |
| --- |
| **References** |
| [1] BNF (2019) https://bnf.nice.org.uk/drug/donepezil-hydrochloride.html#medicinalForms |
| [2] BNF (2019) https://bnf.nice.org.uk/drug/galantamine.html |
| [3] BNF (2019) https://bnf.nice.org.uk/drug/memantine-hydrochloride.html |
| [4] BNF (2019) https://bnf.nice.org.uk/drug/rivastigmine.html#indicationsAndDoses |