Supplemental Table 1. Ocular Surface Disease (OSD)-Related Health Management Direct Cost Estimates for Tear Replacements, Ocular Lubricants, and Nutritional Supplements

| **Management Practice** | | **Unit** | **Unit costs** | | **Cost per Year** | | | **Product Cost** | **Comments** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tear replacements and ocular lubricants** | | | | |  | |  | | |  |
| Preserved Commercial Tears28,30 |  | | |  |  |  | | | |  |
| Systane Original | drop | | | $0.02 | $11.19 | $5.95 per 15 mL | | | | An assumption regarding drop volume (0.5 mL) was made. Use of 5.7 drops/eye/day was assumed. Calculation of price per unit is shown as part of the formula for cost per year. |
| Refresh Plus | drop | | | $0.02 | $9.03 | $5.95 per 15 mL | | | |
| Tears Naturale II | drop | | | $0.03 | $9.32 | $8.95 per 15 mL | | | |
| Genteal | drop | | | $0.02 | $3.17 | $7.45 per 15 mL | | | |
| Optive | drop | | | $0.02 | $1.95 | $4.95 per 15 mL | | | |
| Systane Ultra | drop | | | $0.06 | $5.06 | $12.95 per 10 mL | | | |
| Other Preserved Tears | drop | | | ND | $7.36 |  | | | |
| Preservative-Free Commercial Tears30 | | | | |  |  | | | |  |
| Cellufresh | SU container | | | $0.39 | $77.56 | $11.55 per 30 SU containers | | | | An assumption regarding drop volume was made. Use of 5.7 drops/eye/day was assumed. Calculation of price per unit is shown as part of the formula for cost per year. |
| Bion Tears | SU container | | | $0.41 | $59.41 | $11.50 per 28 SU containers | | | |
| Refresh PF | SU vial | | | $0.60 | $61.80 | $6 per 10 SU vials | | | |
| Systane PF | SU container | | | $0.62 | $31.10 | $14.95 per 24 SU containers of 0.4 mL | | | |
| Systane PF | SU container | | | $0.62 | $31.12 | $17.45 per 28 SU containers of 0.8 mL | | | |
| Refresh Plus PF | SU container | | | $0.38 | $32.51 | $11.50 per 30 SU containers | | | |
| Celluvisc | SU container | | | $0.40 | $21.12 | $11.95 per 30 SU containers | | | |
| Theratears | SU container | | | $0.41 | $15.07 | $9.95 per 24 SU containers | | | |
| Other Preservative-Free Tears | SU container/vial | | |  | $16.71 |  | | | |  |
| Gels, Ointments, and Other30 |  | | |  |  |  | | | | One drop 3-4 times/eye/day per affected eye. 3.5 single use containers were assumed to be used per eye per day. |
| TheraTears liquid gel | SU container | | | $0.43 | $392.56 | $11.95 per 28 SU containers. | | | |
| **Total Tear Replacements & Ocular Lubricants Costs per year** | | | | | **$786.04** |  | | | |  |
| **Nutritional Supplement Use**31-32 |  | | |  |  |  | | | | Adults recommended dose used. |
| Blackmore’s fish oil31 | Capsule | | | $0.07 | $27.33 | $29.95 per 100 mg x 400 1000mg caps | | | | 2 caps/day |
| Blackmore’s flax oil32 | Capsule | | | $0.15 | $122.78 | $14.95 per 100 caps | | | | 1-2 capsules 3 times/day, assume 4.5 caps/day |
| **Total Nutritional Supplement Costs per year** | | | | | **$150.11** |  | | | |  |
| Note: Cost per year calculated based on market share. Market share information purchased Intercontinental Marketing Services (IMS; St. Leonards NSW, Australia). Drug pricing available at ePharmacy (http://search.pharmacyonline.com.au/)  Abbreviations: PF = preservative-free; SU = single use | | | | | | | | | | |