Supplemental Table 2. Ocular Surface Disease (OSD)-Related Health Management Direct Cost Estimates for Punctal Occlusion and Physician Visits and Related Indirect Costs

| **Management Practice** | **Unit** | | | **Unit costs** | **Cost per** | **Comments** |
| --- | --- | --- | --- | --- | --- | --- |
| **Year** |
| **Punctal occlusion (plugs)** | | |  |  |  | Average of 2.85 procedures per subject per year. |
| Consultation fee37 | | | consultation | $82.30 |  | Surgery or hospital code 104 |
| Procedure fee37 | | | procedure | $50.65 |  | Punctum, occlusion of, by use of a plug, code 42620 |
| Plug insertion Medicare benefit37 | | | procedure & consultation | $132.95 |  | Medicare benefit using the unit costs above |
| Plug insertion AMA fee27 | | | procedure & consultation | $172.00 |  |  |
| Plugs27 | | | pair | $110.00 |  |  |
| Punctal oclusion Medicare45 | | |  | $242.95 | $692.41 | Cost per year estimate from combined Medicare and AMA punctual occlusion. Medicare costs are covered by the healthcare system. AMA fees are charged by physicians |
| Punctal oclusion AMA45 | | |  | $282.00 |  |
| Punctal oclusion patient pay45 | | |  | $39.05 | $111.29 | The cost difference between the physician-charged cost and the healthcare system-covered cost is paid by the patient |
| **Total Punctal Occlusion Costs per Year** | | | | | $803.70 |  |
| **Physician Visits (**Medical Fees and Costs) | | | | | | |
| ***Ophthalmologist*** | |  | |  |  |  |
| initial consultation | | consultation | | $146.00 |  | Per the clinical advisor estimate, the AMA recommendation was considered |
| follow-up consultation | | consultation | | $78.00 |  | Per the clinical advisor estimate, the AMA recommendation was considered |
| Average ophthalmologist fee | | consultation | | $112.00 |  | One consultation every 6 months was assumed, one initial and one follow-up per year |
| ***Optometrist*** | |  | |  |  |  |
| initial consultation | | consultation | | $68.35 |  | Comprehensive initial consultation, code 10900 |
| follow-up consultation | | consultation | | $34.20 |  | Subsequent consultation, code 10918 |
| Average optometrist fee | | consultation | | $51.28 |  | For average, assumed 1 consultation every 6 months with 1 initial and 1 follow-up per year |
| **Indirect costs:** | |  | |  |  | Working week for full-time employees is 40 hours. The average gross weekly earning for full-time is $1004.10 and the net weekly income is $640.48. |
| Gross Hourly Wage34 | | 1 hour | | $25.10 |  |
| Net hourly Wage34-35 | | 1 hour | | $16.00 |  |
| Note: Cost per year calculated based on market share. Market share information purchased Intercontinental Marketing Services (IMS; St. Leonards NSW, Australia). Medical fees/costs and codes associated with physician visits are from http://www.health.gov.au/internet/mbsonline/publishing.nsf/Content/Medicare-Benefits-Schedule-MBS-1  Abbreviations: AMA = Australian Medical Association; | | | | | | |