**Supplementary Appendix**

**Supplementary Table 1:** Unit cost values of resource utilization, in 2021 US$

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Drug | **American unit cost** | **Reference** | **Canadian unit cost** | **Reference** |
| 20 mg methylphenidate  | 0.24 | 1 | 0.36 | 9 |
| Inpatient Hospital |
| Geriatric ward | 5324.06 | 2 | 518.96 | [10](https://stage.hsim.health.gov.on.ca/hdbportal/) |
| Psychiatric ward | 5324.06 | 518.96 |
| Internal medicine ward | 5324.06 | 518.96 |
| Surgery ward | 5324.06 | 518.96 |
| Neurology ward | 5324.06 | 518.96 |
| General ward | 5324.06 | 518.96 |
| Cardiology Ward | 5324.06 | 518.96 |
| ER | 111.60 | 3 | 63.40 |
| Outpatient Hospital |
| General Practitioner | 53.96 | 3 | 70.48 | [11](http://www.health.gov.on.ca/en/pro/programs/ohip/sob/physserv/sob_master20200306.pdf) |
| Geriatrician | 78.20 | 149.70 |
| Neurologist | 40.95 | 145.86 |
| Psychiatrist | 85.39 | 176.12 |
| Physiotherapist | 29.09 | 119.25 | [10](https://stage.hsim.health.gov.on.ca/hdbportal/) |
| Occupational therapist | 31.31 | 55.94 | [12](http://www.osot.on.ca/docs/practice_resources/WSIB_OT_Fee_Schedule_July_2017.pdf) |
| Social worker | 80.97 | 48.90 | [10](http://www.osot.on.ca/docs/practice_resources/WSIB_OT_Fee_Schedule_July_2017.pdf) |
| Psychologist | 115.21 | 208.72 | [13](http://www.psych.on.ca/About-Psychology/Getting-help/What-to-expect-when-seeing-a-psychological-profess) |
| Additional Resource Utilization |
| Certified Registered Nurse  | 154.51 (per visit) | 4 | 32.05 (hourly) | [14](https://www.ona.org/wp-content/uploads/ona_hospitalcahighlightdoc_20180731f.pdf) |
| Home Care Aid  | 12.79 (hourly) | 5 | 94.59 (daily) | [15](https://journals.sagepub.com/doi/pdf/10.1177/1178632920903731) |
| Meals on Wheels | 8.00 | 6 | 6.13 | [16](http://www.mealsonwheelsandmore.ca/Programs_and_Services/Meal_Delivery) |
| Day care (daily) | 83.15 | 7 | 20.05 | [17](https://www.torontocentralhealthline.ca/listServices.aspx?id=10347) |
| Round trip transportation | 22.27 | 8 | 3.76 | [18](https://www.ttc.ca/Fares_and_passes/Prices/Prices.jsp) |
| Informal Care | 9.39 | 19 | 8.59 | 20 |



**Supplementary Figure 1**: Mean cost at BL, F3, and F6 by treatment group, excluding the cost of methylphenidate.



**Supplementary Figure 2**: Mean cost at BL, F3, and F6 by treatment group, including the cost of methylphenidate.



**Supplementary Figure 3**: Mean utility at BL, F3, and F6 by treatment group.