**Additional file 1** mean duration of antibiotic use and total cost before and after antibiotic stewardship implementation

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| **mean duration of antibiotic use and total cost** | **Pre-ASP intervention** | **Post-ASP intervention** |
| 3th generation cephalosporinMean±SD duration timeTotal cost (USD) | 9.51±2.2013124 | 7.00±2.1911100 |
| FluoroquinolonesMean ±SD duration timeTotal cost (USD) | 16.00±9.8717200 | 13.21±7.8015590 |
| VancomycineMean ± SD duration timeTotal cost (USD) | 15.10±3.3319129 | 13.22±8.0016200 |
| Carbapenems Mean± SD duration timeTotal cost (USD) | 17.68±11.1021340 | 15.38±7.7118500 |
| linezolide Mean ±SD duration timeTotal cost (USD) | 15.32±10.018760 | 14.11±6.3216339 |
| Beta-lactam/beta-lactamase inhibitorsMean±SD duration timeTotal cost (USD) | 18.11±12.0120210 | 15.22±10.0218651 |
| PolymyxinMean ±SD duration timeTotal cost (USD) | 20.17±13.1118230 | 18.00±7.7116320 |
| AminoglycosideMean ±SD duration timeTotal cost (USD) | 15.20±7.2213900 | 13.30±5.691224 |
| MetronidazoleMean ±SD duration timeTotal cost (USD) | 12.86±4.0013200 | 11.19±4.2211490 |