

S4 Table. Quality assessment of included cost-of-illness analyses (based on Stuhldreher et al. [44])

| Reference | Alemayehu [74] | Armstrong [75] | Bourke [76] | Bryant- Lukosius [77] | Bui [78] | Dragomir [79] | Engel- Nitz [80] | Krahn [81] | Kunisawa [82] | Malmberg [83] | Mehra [84] | Organ [85] | Sanyal [86] | Satoh [55] | Sherman [87] | Studies that fulfilled the respective criterion (%) |
|---|-------------------|-------------------|----------------|-----------------------------|-------------|------------------|------------------------|---------------|------------------|------------------|---------------|---------------|----------------|---------------|-----------------|--|
| Scope | | | | | | | | | | | | | | | | |
| Study objective | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 100% |
| Inclusion and exclusion criteria | ✓ | ✓ | | ✓ | ✓ | | ✓ | ✓ | ✓ | | | ✓ | | | ✓ | 60% |
| Disease and diagnostic criteria | ✓ | ✓ | | | ✓ | | ✓ | ✓ | | | ✓ | | | ✓ | | 47% |
| General economic | | | | | | | | | | | | | | | | |
| Cost-description | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 100% |
| Non-diseased comparison group or disease-specific costs | ✓ | | | | | ✓ | | | | ✓ | | | ✓ | | | 27% |
| Calculation of costs | | | | | | | | | | | | | | | | |
| Currency | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 100% |
| Reference year | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | 80% |
| Perspective | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | ✓ | | ✓ | | | 47% |
| Costs incorporated from more than one category | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 100% |
| Data source | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 100% |
| Valuation of costs | n.a. | n.a. | n.a. | ✓ | n.a. | n.a. | n.a. | ✓ | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | ✓ | 100% |
| Discounting | | | n.a. | n.a. | | | | | | ✓ | | | ✓ | | n.a. | 17% |
| Study design and analysis | | | | | | | | | | | | | | | | |

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|--|------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|------|
| Missing data and imputation method | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | ✓ | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | 50% |
| Statistics appropriate | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | | ✓ | 67% |
| Sensitivity analyses | | | | | | | | ✓ | ✓ | | | | ✓ | | | 20% |
| Presentation of results | | | | | | | | | | | | | | | | |
| Sample size (subgroup) | ✓ | ✓ | n.a. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | n.a. | ✓ | ✓ | 100% |
| Demographics | ✓ | | | | ✓ | n.a. | | | ✓ | | ✓ | ✓ | n.a. | ✓ | ✓ | 54% |
| Arithmetic mean costs | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 100% |
| Standard deviations (errors) | ✓ | | ✓ | ✓ | ✓ | ✓ | | | ✓ | | | | ✓ | ✓ | | 53% |
| Discussion | | | | | | | | | | | | | | | | |
| Results discussed with respect to other studies | ✓ | ✓ | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 87% |
| Limitations discussed | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 100% |
| Conclusions appropriate regarding uncertainty in results | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 93% |
| Criteria each study fulfilled (%) | 90% | 70% | 61% | 80% | 70% | 84% | 70% | 73% | 71% | 70% | 70% | 65% | 89% | 65% | 70% | |

✓: Criterion fulfilled, n.a.: not applicable.