## Outcome Domain:

Health-Economic Measures

### Domain Description and Relevance in TBI:

“Health-economic measures assess the magnitude of benefit in relation to costs spent; e.g., they identify the most cost-effective therapeutic procedure in terms of cost per Quality Adjusted Life Year (QALY).”--Wilde et al. 2010

Table CDE Classification by Type of TBI Study and Relevant Population for Recommended Health-Economic Outcome Measures

| Outcome Measure Name | Relevant TBI Population | Acute Hospitalized | Moderate/ Severe Rehabilitation | Concussion/ Mild TBI | Epidemiology |
| --- | --- | --- | --- | --- | --- |
| Euro-QOL | Adult | Supplemental | Supplemental | Supplemental | Supplemental |

### References

Wilde EA, Whiteneck GG, Bogner J, Bushnik T, Cifu DX, Dikmen S, French L, Giacino JT, Hart T, Malec JF, Millis SR, Novack TA, Sherer M, Tulsky DS, Vanderploeg RD, von Steinbuechel N. Recommendations for the use of common outcome measures in traumatic brain injury research. Arch Phys Med Rehabil. 2010 Nov; 91(11):1650-1660.e17. [DOI: 10.1016/j.apmr.2010.06.033]

## EuroQOL

### DESCRIPTION

The EuroQoL is a non-disease-specific instrument for describing and valuing health-related quality of life. It was developed to generate a cardinal index of health for use in economic evaluation. Five dimensions "mobility", "self-care", "usual activities", "pain/discomfort", "anxiety/depression" on a 3 level description resulting in a profile of health state. Additional the EuroQoL contains a thermometer calibrated from zero "worst imaginable health state" to one hundred "best imaginable health state".

### PERMISSIBLE VALUES

243 unique EuroQol states with lower levels indicating greater HRQOL. Higher levels on the thermometer indicate higher HRQOL.

### PROCEDURES

Self-report measure. Administration time is 3-4 minutes.

### COMMENTS

Individuals of interest.

### RATIONALE

It is an easy basic assessment of patients´ health, and yields a health status score. It can be combined with clinical data as survival, to give quality adjusted life years (QALY). It has good psychometric properties, is translated into multiple languages and widely used for health economic purposes.

### REFERENCES

EuroQol Group (1990). EuroQol - A new facility for the measurement of health-related quality of life. Health Policy, 16, 199-208.