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Supplemental Table S1. Sources and unit costs of health care resources

Cost categories	Unit	Source of consumption data	Source of value	Unit price (in €)
Medical costs				
Intramural				
Transport and emergency department				
Own transportation	Ride	Study registry (CRF)	Cost manual ^a	4.50
Ambulance	Ride	Study registry (CRF)	Cost manual ^a	702.00
Emergency department	Visit	Hospital registry	Cost manual ^a	269.50
X-ray lower extremity	Per X-ray	Hospital registry	NZa ^b	43.12
CT-scan lower extremity	Per CT-scan	Hospital registry	NZa ^b	145.33
Laboratory tests				
Simple	Per set	Hospital registry	NZa ^b	24.49
Extensive	Per set	Hospital registry	NZa ^b	56.81
Surgery				
Operation room ^c				
Regular hours academic hospital	Hours	Hospital registry	Hospital data	577.06
After hours academic hospital	Hours	Hospital registry	Hospital data	1,671.59
Regular hours general hospital	Hours	Hospital registry	Hospital data	681.22
After hours general hospital	Hours	Hospital registry	Hospital data	1,383.06
Surgeon				
Academic hospital	Hours	Hospital registry	Cost manual ^a	117.58
General hospital	Hours	Hospital registry	Cost manual ^a	120.70
Trays	Per procedure	Hospital registry	Hospital data	153.92
Hardware				
Intramedullary nail	Per piece	Hospital registry	Industry data ^c	622.57
External fixator	Per piece	Hospital registry	Industry data ^c	2,420.00
Fibula plate	Per piece	Hospital registry	Industry data ^c	171.33
Fluoroscopy	Per procedure	Hospital registry	NZa ^b	116.79
Hospital stay				

General hospital	Days	Hospital registry	Cost manual ^a	479.09
Academic hospital	Days	Hospital registry	Cost manual ^a	668.03
Peripheral nerve block	Per procedure	Hospital registry	Hospital data	187.43
Physical therapist	Days	Hospital registry	Cost manual ^a	34.34
Medication	Dose per day	Hospital registry	ZiN ^d	variable
Outpatient clinic visits				
Trauma surgeon	Visit	Hospital registry	Cost manual ^a	75.96
Plaster room	Visit	Hospital registry	Cost manual ^a	33.61
Plastic surgeon	Visit	Hospital registry	Cost manual ^a	94.69
Sports doctor	Visit	Hospital registry	Cost manual ^a	94.69
Rehabilitation doctor	Visit	Hospital registry	Cost manual ^a	94.69
Pain consultant	Visit	Hospital registry	Cost manual ^a	94.69
Rheumatologist	Visit	Hospital registry	Cost manual ^a	94.69
Wound care nurse	Visit	Hospital registry	Cost manual ^a	32.34
Extramural				
General practitioner	Visit	Study registry (CRF)	Cost manual ^a	34.34
Assisted care facility	Days	Study registry (CRF)	Industry data ^e	171.58
Home care	Days	Study registry (CRF)	Cost manual ^a	51.10
Paramedic				
Physical therapist	Visit	Study registry (CRF)	Cost manual ^a	34.34
Edema therapist	Visit	Study registry (CRF)	Industry data ^e	40.15
Exercise physiologist	Visit	Study registry (CRF)	Cost manual ^a	35.38
Manual therapist	Visit	Study registry (CRF)	Industry data ^e	44.00
Acupuncturist	Visit	Study registry (CRF)	Industry data ^e	84.75
Chiropractor	Visit	Study registry (CRF)	Industry data ^e	55.32
Psychologist	Visit	Study registry (CRF)	Cost manual ^a	66.59
Care aids				
Crutches	Days	Study registry (CRF)	Industry data ^e	0.53
Wheelchair	Days	Study registry (CRF)	Industry data ^e	2.93
Height adjustable bed	Days	Study registry (CRF)	Industry data ^e	4.39
Walker	Days	Study registry (CRF)	Industry data ^e	0.77
Rollator	Days	Study registry (CRF)	Industry data ^e	1.97
Scooter	Days	Study registry (CRF)	Industry data ^e	4.57

Adjustable toilet seat	Days	Study registry (CRF)	Industry data ^e	1.92
Shower stool	Days	Study registry (CRF)	Industry data ^e	4.81
Bed risers	Days	Study registry (CRF)	Industry data ^e	1.33
Orthopedic shoes	Per set	Study registry (CRF)	Industry data ^e	1226.74
Insoles	Per set	Study registry (CRF)	Industry data ^e	192.43
Medication	Dose per day	Study registry (CRF)	ZiN ^d	variable
Work absence				
Wage	Hour	Study registry (CRF)	CBS ^f	variable

Reference unit prices are adjusted to 2018 by using the national consumer price index

CRF, Case Report Form.

CBS, Centraal Bureau voor Statistiek, Statistics Netherlands.

a Costing manual: Methodology of costing research and reference prices for economic evaluations in healthcare, version 2016 [1].

b NZa, Nederlandse Zorgautoriteit [in English: Dutch Healthcare Authority]: Standard costs prices, online available on: https://puc.overheid.nl/nza/doc/PUC_6237_22/.

c Including operating room personnel and overhead costs.

d ZiN = Zorginstituut Nederland [in English: National Healthcare Institute] – Standard prices were used, online available on: www.medicijnkosten.nl.

e Average of costs provided by the applicable firms.

f National average hourly wage with regard to age online available on: CBS: <https://www.cbs.nl/nl-nl/visualisaties/dashboard-arbeidsmarkt/ontwikkeling-cao-lonen/uurloon#:~:text=Als%20we%20kijken%20naar%20gemiddelden,hoger%20is%20dan%2026%20euro>

1. Hakkaart-van Roijen L, Van der Linden N, Bouwmans C, Kanters T, Tan SS. Costing manual: Methodology of costing research and reference prices for economic evaluations in healthcare [in Dutch: Kostenhandleiding: Methodologie van kostenonderzoek en referentieprijzen voor economische evaluaties in de gezondheidszorg]. 2016.