

# **Ceiling (and floor) Effects**

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# Floor/Ceiling Defined

- Bottom and top 5% of observations

# Ceiling on EQ-5D

	Mean	SD	Min.	Max.
MCS	57	5	26	71
PCS	54	5	25	67
SF-6D	0.87	0.09	0.52	1.00
QWB	0.73	0.11	0.34	0.99
EQ-5D	1.00	0.00	1.00	1.00
HUI-2	0.93	0.08	0.30	1.00
HUI-3	0.92	0.12	0.02	1.00

# Ceiling on EQ-5D

- 8% report fatigue (QWB)
- 29% weight problem (QWB)
- 55% level 2 on HUI-2 sensation (requires equipment to see or hear)
- 8% level 2 on HUI-2 mobility (walks, bends, lifts, jumps, or runs with some limitations but does not require help)
- 13% level 2 on HUI-2 emotion (occasionally fretful, angry, irritable, anxious, depressed, or suffering "night terrors").
- 19% level 3 on HUI-3 cognition (somewhat forgetful, but able to think clearly and solve day to day problems).

# Ceiling on MCS

	Mean	SD	Min.	Max.
MCS	66	2	63	72
PCS	38	11	4	55
SF-6D	0.79	0.12	0.42	1.00
QWB	0.60	0.14	0.22	0.93
EQ-5D	0.82	0.15	0.31	1.00
HUI-2	0.81	0.16	0.17	1.00
HUI-3	0.74	0.24	0.02	1.00

# Ceiling on PCS

	Mean	SD	Min.	Max.
MCS	48	12	-2	61
PCS	61	2	59	75
SF-6D	0.83	0.12	0.44	1.00
QWB	0.71	0.12	0.32	0.95
EQ-5D	0.93	0.11	0.46	1.00
HUI-2	0.89	0.12	0.42	1.00
HUI-3	0.88	0.17	-0.12	1.00

# Ceiling on QWB

	Mean	SD	Min.	Max.
MCS	55	5	36	68
PCS	55	6	24	64
SF-6D	0.89	0.10	0.48	1.00
QWB	0.92	0.02	0.86	0.99
EQ-5D	0.96	0.09	0.44	1.00
HUI-2	0.94	0.07	0.30	1.00
HUI-3	0.95	0.07	0.35	1.00

# Ceiling on HUI-2

	Mean	SD	Min.	Max.
MCS	57	5	33	68
PCS	5	5	27	62
SF-6D	0.88	0.10	0.36	1.00
QWB	0.76	0.10	0.42	0.99
EQ-5D	0.96	0.08	0.53	1.00
HUI-2	1.00	0.00	1.00	1.00
HUI-3	0.99	0.02	0.87	1.00



# Ceiling on HUI-3

	Mean	SD	Min.	Max.
MCS	57	5	30	71
PCS	54	6	27	62
SF-6D	?	?	?	?
QWB	0.75	0.10	0.44	0.99
EQ-5D	0.96	0.08	0.46	1.00
HUI-2	0.99	0.06	0.48	1.00
HUI-3	1.00	0.00	1.00	1.00

# Floor on EQ-5D

	Mean	SD	Min.	Max.
MCS	37	14	7	68
PCS	27	9	4	52
SF-6D	0.49	0.09	0.30	0.73
QWB	0.37	0.12	0.09	0.98
EQ-5D	0.31	0.11	-0.11	0.44
HUI-2	0.35	0.21	-0.04	0.95
HUI-3	0.13	0.27	-0.34	0.95

# Floor on MCS

	Mean	SD	Min.	Max.
MCS	24	7	-2	32
PCS	38	14	14	75
SF-6D	0.49	0.10	0.30	0.74
QWB	0.40	0.15	0.09	0.84
EQ-5D	0.53	0.25	-.11	1.00
HUI-2	0.42	0.26	-.01	0.97
HUI-3	0.22	0.34	-.34	1.00

# Floor on PCS

	Mean	SD	Min.	Max.
MCS	49	14	11	71
PCS	20	4	4	34
SF-6D	0.52	0.09	0.30	0.72
QWB	0.41	0.13	0.15	0.95
EQ-5D	0.51	0.21	-0.01	0.85
HUI-2	0.47	0.24	0.03	0.95
HUI-3	0.25	0.29	-0.24	0.97

# Floor on QWB

	Mean	SD	Min.	Max.
MCS	36	15	6	72
PCS	29	9	4	60
SF-6D	0.51	0.11	0.30	0.81
QWB	0.28	0.06	0.09	0.35
EQ-5D	0.49	0.23	-0.11	1.00
HUI-2	0.38	0.23	-0.01	0.92
HUI-3	0.13	0.27	-0.34	0.93

# Floor on QWB

- 9% level 1 on HUI-2 sensation (able to see, hear, and speak normally for age)
- 25% level 1 on HUI-2 emotion (generally happy and free from worry)
- 28% no problems on EQ-5D anxiety/depression
- 18% level 1 on HUI-3 ambulation (able to walk around the neighbourhood without difficulty, and without walking equipment)
- 11% no problems on EQ-5D mobility
- 7% excellent, 8% very good, 19% good, and 31% in fair self-rated health
- 6% feel “full of life” all of the time

# Floor on HUI-2

	Mean	SD	Min.	Max.
MCS	35	14	7	71
PCS	29	10	4	59
SF-6D	0.50	0.11	0.30	0.90
QWB	0.37	0.13	0.09	0.95
EQ-5D	0.46	0.23	-0.11	1.00
HUI-2	0.24	0.10	-0.01	0.38
HUI-3	0.06	0.20	-0.34	0.78

# Floor on HUI-3

	Mean	SD	Min.	Max.
MCS	36	14	7	72
PCS	28	9	4	59
SF-6D	?	?	?	?
QWB	0.36	0.12	0.09	0.78
EQ-5D	0.47	0.24	-0.11	1.00
HUI-2	0.29	0.16	-0.01	0.85
HUI-3	-0.02	0.11	-0.34	0.14



