

Scoring Guide for the Orthotics and Prosthetics Users Survey

OPUS Lower Extremity Functional Status Measure (20 items)

The response to each item should be scored as follows:

4=Very Easy

3= Easy

2=Slightly difficult

1=Very difficult

0=Cannot do this activity

OPUS LE Total Score is the sum of the scores for the 20 items (0 – 80).

A higher score indicates a better outcome.

Use this table to convert raw score to Rasch Measure (0 – 100 scale).

To estimate an equal-interval measure from the sum of all items for patients with no missing data, find the value in the SCORE column and read across to find its MEASURE. MEASURE is scored to range from 0 (the lowest possible score) to 100 (the highest possible score).

TABLE OF MEASURES ON TEST OF 20 ITEM OPUS LE FUNCTIONAL STATUS MEASURE

| SCORE | MEASURE | S.E. | SCORE | MEASURE | S.E. | SCORE | MEASURE | S.E. |
|-------|---------|-------|-------|---------|------|-------|---------|-------|
| 0 | .00E | 13.13 | 27 | 39.89 | 2.11 | 54 | 56.28 | 2.19 |
| 1 | 8.67 | 7.21 | 28 | 40.51 | 2.10 | 55 | 56.95 | 2.21 |
| 2 | 13.72 | 5.16 | 29 | 41.12 | 2.09 | 56 | 57.64 | 2.23 |
| 3 | 16.76 | 4.28 | 30 | 41.73 | 2.08 | 57 | 58.33 | 2.25 |
| 4 | 18.99 | 3.77 | 31 | 42.33 | 2.07 | 58 | 59.04 | 2.27 |
| 5 | 20.79 | 3.44 | 32 | 42.92 | 2.07 | 59 | 59.77 | 2.30 |
| 6 | 22.31 | 3.21 | 33 | 43.51 | 2.06 | 60 | 60.51 | 2.32 |
| 7 | 23.66 | 3.03 | 34 | 44.10 | 2.06 | 61 | 61.27 | 2.35 |
| 8 | 24.88 | 2.90 | 35 | 44.69 | 2.06 | 62 | 62.04 | 2.38 |
| 9 | 26.00 | 2.79 | 36 | 45.28 | 2.05 | 63 | 62.85 | 2.42 |
| 10 | 27.05 | 2.70 | 37 | 45.86 | 2.05 | 64 | 63.67 | 2.46 |
| 11 | 28.03 | 2.62 | 38 | 46.45 | 2.05 | 65 | 64.53 | 2.50 |
| 12 | 28.96 | 2.56 | 39 | 47.04 | 2.06 | 66 | 65.42 | 2.56 |
| 13 | 29.85 | 2.51 | 40 | 47.63 | 2.06 | 67 | 66.34 | 2.62 |
| 14 | 30.71 | 2.46 | 41 | 48.21 | 2.06 | 68 | 67.32 | 2.68 |
| 15 | 31.53 | 2.41 | 42 | 48.81 | 2.07 | 69 | 68.35 | 2.76 |
| 16 | 32.33 | 2.38 | 43 | 49.40 | 2.07 | 70 | 69.45 | 2.86 |
| 17 | 33.10 | 2.34 | 44 | 50.00 | 2.08 | 71 | 70.63 | 2.97 |
| 18 | 33.85 | 2.31 | 45 | 50.60 | 2.08 | 72 | 71.90 | 3.10 |
| 19 | 34.58 | 2.28 | 46 | 51.21 | 2.09 | 73 | 73.31 | 3.27 |
| 20 | 35.29 | 2.25 | 47 | 51.82 | 2.10 | 74 | 74.89 | 3.47 |
| 21 | 35.99 | 2.23 | 48 | 52.43 | 2.11 | 75 | 76.69 | 3.74 |
| 22 | 36.67 | 2.20 | 49 | 53.05 | 2.12 | 76 | 78.82 | 4.11 |
| 23 | 37.34 | 2.18 | 50 | 53.68 | 2.13 | 77 | 81.46 | 4.65 |
| 24 | 37.99 | 2.16 | 51 | 54.32 | 2.15 | 78 | 85.02 | 5.55 |
| 25 | 38.64 | 2.14 | 52 | 54.96 | 2.16 | 79 | 90.75 | 7.58 |
| 26 | 39.27 | 2.13 | 53 | 55.62 | 2.18 | 80 | 100.00E | 13.38 |

OPUS Health Quality of Life Index (23 items)

The response to items 1-12 should be scored as follows:

- 4=Not at all
- 3= A little
- 2=A fair amount
- 1=A great deal
- 0=Excessively

The response to items 13-16 should be scored as follows:

- 4=All of the time
- 3=Most of the time
- 2=Some of the time
- 1=A little of the time
- 0=None of the time

The response to items 17-23 should be scored as follows:

- 0=All of the time
- 1=Most of the time
- 2=Some of the time
- 3=A little of the time
- 4=None of the time

The OPUS Health Quality of Life Score is the sum of the scores for the 23 items (0 – 92).

A higher score indicates a better outcome.

Use this table to convert raw score to Rasch Measure (0 – 100 scale).

TABLE OF MEASURES ON TEST OF 23 ITEM OPUS HEALTH QUALITY OF LIFE

| SCORE | MEASURE | S.E. | SCORE | MEASURE | S.E. | SCORE | MEASURE | S.E. |
|-------|---------|-------|-------|---------|------|-------|---------|-------|
| 0 | .00E | 15.48 | 31 | 42.28 | 1.92 | 62 | 55.20 | 1.97 |
| 1 | 10.22 | 8.49 | 32 | 42.71 | 1.91 | 63 | 55.66 | 1.99 |
| 2 | 16.11 | 6.01 | 33 | 43.14 | 1.90 | 64 | 56.13 | 2.01 |
| 3 | 19.58 | 4.92 | 34 | 43.57 | 1.89 | 65 | 56.61 | 2.03 |
| 4 | 22.05 | 4.28 | 35 | 43.99 | 1.88 | 66 | 57.10 | 2.05 |
| 5 | 23.98 | 3.84 | 36 | 44.40 | 1.88 | 67 | 57.60 | 2.07 |
| 6 | 25.57 | 3.52 | 37 | 44.82 | 1.87 | 68 | 58.12 | 2.10 |
| 7 | 26.93 | 3.28 | 38 | 45.23 | 1.87 | 69 | 58.64 | 2.13 |
| 8 | 28.12 | 3.09 | 39 | 45.64 | 1.86 | 70 | 59.19 | 2.16 |
| 9 | 29.19 | 2.93 | 40 | 46.05 | 1.86 | 71 | 59.75 | 2.20 |
| 10 | 30.15 | 2.80 | 41 | 46.45 | 1.85 | 72 | 60.33 | 2.24 |
| 11 | 31.04 | 2.68 | 42 | 46.86 | 1.85 | 73 | 60.93 | 2.28 |
| 12 | 31.86 | 2.59 | 43 | 47.26 | 1.85 | 74 | 61.55 | 2.33 |
| 13 | 32.62 | 2.51 | 44 | 47.66 | 1.85 | 75 | 62.21 | 2.38 |
| 14 | 33.34 | 2.44 | 45 | 48.07 | 1.85 | 76 | 62.89 | 2.44 |
| 15 | 34.02 | 2.37 | 46 | 48.47 | 1.85 | 77 | 63.61 | 2.50 |
| 16 | 34.67 | 2.32 | 47 | 48.87 | 1.85 | 78 | 64.37 | 2.58 |
| 17 | 35.29 | 2.27 | 48 | 49.28 | 1.85 | 79 | 65.18 | 2.66 |
| 18 | 35.89 | 2.22 | 49 | 49.68 | 1.85 | 80 | 66.04 | 2.75 |
| 19 | 36.46 | 2.18 | 50 | 50.09 | 1.86 | 81 | 66.96 | 2.85 |
| 20 | 37.01 | 2.15 | 51 | 50.50 | 1.86 | 82 | 67.96 | 2.97 |
| 21 | 37.55 | 2.12 | 52 | 50.91 | 1.87 | 83 | 69.05 | 3.11 |
| 22 | 38.07 | 2.09 | 53 | 51.32 | 1.87 | 84 | 70.26 | 3.28 |
| 23 | 38.57 | 2.06 | 54 | 51.73 | 1.88 | 85 | 71.60 | 3.48 |
| 24 | 39.07 | 2.04 | 55 | 52.15 | 1.89 | 86 | 73.13 | 3.73 |
| 25 | 39.55 | 2.02 | 56 | 52.57 | 1.89 | 87 | 74.90 | 4.05 |
| 26 | 40.03 | 2.00 | 57 | 53.00 | 1.90 | 88 | 77.04 | 4.48 |
| 27 | 40.49 | 1.98 | 58 | 53.43 | 1.91 | 89 | 79.73 | 5.11 |
| 28 | 40.95 | 1.96 | 59 | 53.86 | 1.93 | 90 | 83.43 | 6.19 |
| 29 | 41.40 | 1.95 | 60 | 54.30 | 1.94 | 91 | 89.59 | 8.62 |
| 30 | 41.84 | 1.93 | 61 | 54.75 | 1.95 | 92 | 100.00E | 15.56 |

KEY FORM FOR THE 23 ITEM OPUS HEALTH QUALITY OF LIFE MEASURE

EXPECTED SCORE: MEAN (Rasch-score-point threshold, ":" indicates Rasch-half-point threshold) (ILLUSTRATED BY AN OBSERVED CATEGORY)

| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | NUM | ITEM | | | | | |
|----|----|----|----|----|----|----|----|----|-----|------|---|---|----|---|-------------------------------|
| 0 | | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 11 | 11.cut down on work-physical condition | |
| 0 | | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 10 | 10.physical ability restricts-paid work | |
| 0 | | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 5 | 5.acomplish less-physical condition | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 15 | 15.have a lot of energy | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 7 | 7.physical ability restricts-errands | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 21 | 21.feel tired | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 8 | 8.physical ability restricts-hobby | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 9 | 9.physical ability restricts-chores | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 20 | 20.feel worn out | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 13 | 13.feel full of life | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 4 | 4 | 4.pain interfere w.activities |
| 0 | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 4 | 14 | 14.feel calm | |
| 0 | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 4 | 16 | 16.been happy | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 22 | 22.easily upset | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 17 | 17.been very nervous | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 3 | 3.prevented from doing what you like | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 23 | 23.difficulty paying attention | |
| 0 | | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 12 | 12.cut down on work-emotional condition | |
| 0 | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 4 | 19 | 19.feel downhearted | |
| 0 | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 4 | 6 | 6.acomplish less-emotional condition | |
| 0 | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 4 | 18 | 18.down in the dumps | |
| 0 | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 4 | 2 | 2.insulted by others attitudes | |
| 0 | 0 | : | 1 | : | 2 | : | 3 | : | 4 | 4 | 4 | 4 | 1 | 1.keep to yourself to avoid reactions | |

11122213334332111 1
 1 21218716053638816111815751614 2 31 4 PERSON
 T S M S T
 0 10 20 30 60 80 90 99 PERCENTILE

Satisfaction With Device and Services (21 item survey)

The response to each item should be scored as follows:

5=Strongly Agree

4= Agree

3=Neither agree nor disagree

2=Disagree

1=Strongly disagree

[don't know=6, not applicable=8 are missing value codes and are not included in the scoring]

Satisfaction With Device Score is the sum of the scores for items 1-11 (11 – 55).

Satisfaction With Services_Score is the sum of the scores for items 12-21 (10 – 50).

A higher score indicates a better outcome for both measures.

Use these tables to convert raw score to Rasch Measure (0 – 100 scale).

TABLE OF MEASURES ON TEST OF 11 ITEM SATISFACTION WITH DEVICE

| SCORE | MEASURE | S.E. | SCORE | MEASURE | S.E. | SCORE | MEASURE | S.E. |
|-------|---------|-------|-------|---------|------|-------|---------|-------|
| 11 | .00E | 16.92 | 26 | 37.54 | 2.75 | 41 | 50.75 | 3.32 |
| 12 | 11.30 | 9.33 | 27 | 38.35 | 2.72 | 42 | 52.00 | 3.48 |
| 13 | 17.87 | 6.60 | 28 | 39.14 | 2.70 | 43 | 53.38 | 3.66 |
| 14 | 21.69 | 5.37 | 29 | 39.93 | 2.70 | 44 | 54.92 | 3.87 |
| 15 | 24.38 | 4.63 | 30 | 40.72 | 2.70 | 45 | 56.65 | 4.11 |
| 16 | 26.45 | 4.14 | 31 | 41.51 | 2.70 | 46 | 58.59 | 4.35 |
| 17 | 28.14 | 3.78 | 32 | 42.31 | 2.72 | 47 | 60.77 | 4.60 |
| 18 | 29.59 | 3.53 | 33 | 43.12 | 2.74 | 48 | 63.18 | 4.83 |
| 19 | 30.86 | 3.33 | 34 | 43.94 | 2.77 | 49 | 65.84 | 5.06 |
| 20 | 32.01 | 3.18 | 35 | 44.79 | 2.81 | 50 | 68.76 | 5.33 |
| 21 | 33.06 | 3.06 | 36 | 45.66 | 2.86 | 51 | 72.04 | 5.68 |
| 22 | 34.04 | 2.96 | 37 | 46.57 | 2.92 | 52 | 75.87 | 6.24 |
| 23 | 34.97 | 2.89 | 38 | 47.52 | 3.00 | 53 | 80.73 | 7.25 |
| 24 | 35.85 | 2.83 | 39 | 48.52 | 3.09 | 54 | 88.19 | 9.72 |
| 25 | 36.71 | 2.78 | 40 | 49.59 | 3.20 | 55 | 100.00E | 17.09 |

TABLE OF MEASURES ON TEST OF 10 ITEM SATISFACTION WITH SERVICES

| SCORE | MEASURE | S.E. | SCORE | MEASURE | S.E. | SCORE | MEASURE | S.E. |
|-------|---------|-------|-------|---------|------|-------|---------|-------|
| 10 | .00E | 16.19 | 24 | 35.38 | 2.67 | 38 | 48.44 | 3.83 |
| 11 | 10.80 | 8.88 | 25 | 36.18 | 2.63 | 39 | 50.29 | 4.26 |
| 12 | 16.95 | 6.22 | 26 | 36.95 | 2.60 | 40 | 52.60 | 4.76 |
| 13 | 20.51 | 5.08 | 27 | 37.72 | 2.59 | 41 | 55.45 | 5.23 |
| 14 | 23.06 | 4.44 | 28 | 38.48 | 2.59 | 42 | 58.75 | 5.49 |
| 15 | 25.08 | 4.03 | 29 | 39.24 | 2.60 | 43 | 62.22 | 5.53 |
| 16 | 26.78 | 3.72 | 30 | 40.02 | 2.63 | 44 | 65.67 | 5.50 |
| 17 | 28.26 | 3.49 | 31 | 40.82 | 2.67 | 45 | 69.12 | 5.53 |
| 18 | 29.56 | 3.29 | 32 | 41.65 | 2.74 | 46 | 72.69 | 5.71 |
| 19 | 30.73 | 3.13 | 33 | 42.53 | 2.82 | 47 | 76.64 | 6.12 |
| 20 | 31.80 | 2.99 | 34 | 43.46 | 2.93 | 48 | 81.46 | 7.01 |
| 21 | 32.78 | 2.88 | 35 | 44.48 | 3.07 | 49 | 88.68 | 9.32 |
| 22 | 33.69 | 2.79 | 36 | 45.62 | 3.26 | 50 | 100.00E | 16.34 |
| 23 | 34.55 | 2.72 | 37 | 46.91 | 3.51 | | | |

KEY FORM FOR THE 11 ITEM SATISFACTION WITH DEVICE MEASURE

EXPECTED SCORE: MEAN (Rasch-score-point threshold, ":" indicates Rasch-half-point threshold) (ILLUSTRATED BY AN OBSERVED CATEGORY)

| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | NUM | ITEM | | | |
|---|----|----|----|----|----|----|----|----|-----|------|---|----|--|
| -----+-----+-----+-----+-----+-----+-----+-----+----- | | | | | | | | | | | | | |
| 1 | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 11 | 11.can afford to repair or replace |
| 1 | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 10 | 10.can afford out of pocket expenses |
| | | | | | | | | | | | | | |
| 1 | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 9 | 9.pain free to wear |
| | | | | | | | | | | | | | |
| 1 | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 1 | 1.fits well |
| 1 | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 3 | 3.comfortable throughout the day |
| | | | | | | | | | | | | | |
| 1 | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 8 | 8.skin is free of abrasions & irritation |
| 1 | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 7 | 7.clothes are free of wear & tear |
| | | | | | | | | | | | | | |
| 1 | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 5 | 5.looks good |
| 1 | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 2 | 2.weight is manageable |
| | | | | | | | | | | | | | |
| 1 | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 5 | 4 | 4.easy to put on |
| 1 | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 5 | 6 | 6.durable |
| -----+-----+-----+-----+-----+-----+-----+-----+----- | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---|--|---|---|-------|-------|-------|----|------|----|---|----|---|------------|--|--|
| | | | | 1 | 1 | 1 | | | | | | | | | |
| 1 | | 1 | 1 | 21339 | 26398 | 28521 | 91 | 1412 | 2 | 2 | 1 | 1 | PERSON | | |
| | | T | S | M | S | T | | | | | | | | | |
| 0 | | | | 10 | 40 | 60 | 70 | 80 | 90 | | 99 | | PERCENTILE | | |

KEY FORM FOR THE 10 ITEM SATISFACTION WITH SERVICES MEASURE

EXPECTED SCORE: MEAN (Rasch-score-point threshold, ":" indicates Rasch-half-point threshold) (ILLUSTRATED BY AN OBSERVED CATEGORY)

| 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | NUM | ITEM | | | |
|---|----|----|----|----|----|----|----|----|----|-----|------|---|-----------------------------|---|
| -----+-----+-----+-----+-----+-----+-----+-----+----- | | | | | | | | | | | | | | |
| 1 | | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 3 | 14.reasonable wait time |
| 1 | | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 10 | 21.I was a partner in decision making |
| 1 | | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 4 | 15.informed of equipment choices |
| 1 | | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 1 | 12.appointment in reasonable time |
| 1 | | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 8 | 19.discussed problems |
| 1 | | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 7 | 18.satisfied with training received |
| 1 | | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 9 | 20.coordinated services with therapists & doctors |
| | | | | | | | | | | | | | | |
| 1 | | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 5 | 16.opportunity to express concerns |
| 1 | | | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 6 | 17.respondive to concerns and questions |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1 | 1 | : | 2 | : | 3 | : | 4 | : | 5 | 5 | 5 | 2 | 13.shown courtesy & respect | |
| -----+-----+-----+-----+-----+-----+-----+-----+----- | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--|--|--|---|---|-------|-------|-----|----|------|----|----|----|------------|--|--|
| | | | | | | 2 | | | | | | | | | |
| | | | | 1 | 22234 | 27325 | 314 | 5 | 4114 | 5 | 5 | 11 | PERSON | | |
| | | | T | S | M | S | | | | | | | | | |
| | | | | 0 | 10 | 20 | 40 | 50 | 60 | 70 | 80 | 99 | PERCENTILE | | |

OPUS Upper Extremity Functional Status Measure (28 items)

4=Very Easy

3= Easy

2=Slightly difficult

1=Very difficult

0=Cannot do this activity

[not applicable can be coded 8. This is a missing value code and is not included in the scoring]

OPUS UE Total score is the sum of the scores for the 28 items (0 – 112).

A higher score indicates a better outcome.

The table of measures and key form for the UE Functional Status Measure is being developed.

Delivery & Follow Up Satisfaction Survey (8 items)

The response to each item should be scored as follows:

5=Very Satisfied

4= Somewhat satisfied

3=Neither satisfied nor dissatisfied

2=Somewhat dissatisfied

1=Very Dissatisfied

A higher score indicates a better outcome.

This is a new survey and currently there is no table of Rasch measures or key form.