

## **HOSPITAL FOR SPECIAL SURGERY LUMBAR SPINE SURGERY EXPECTATIONS SURVEY SCORING**

Thank you for your interest in the Hospital for Special Surgery  
Lumbar Spine Surgery Expectations Survey.

The scoring for the survey is as follows:

1. Record responses in reverse order so that:
  - 4 = back to normal or complete improvement
  - 3 = a lot of improvement
  - 2 = a moderate amount of improvement
  - 1 = a little improvement
  - 0 = I do not have this expectation, or this expectation does not apply to me.
2. Sum all responses.

There are 21 items in the survey. However, 20 items should be scored because the two items about employment are mutually exclusive.

Notes about employment-related items:

  - If a patient is currently employed but does not have a work-related expectation, then the item about current employment is scored as “I do not have this expectation, or this expectation does not apply to me.”
  - If a patient is retired, a homemaker, a student, or is not working for any reason not related to the spine, then the item about current employment is scored as “I do not have this expectation, or this expectation does not apply to me.”
  - If a patient is currently not working because of the spine but does not have a work-related expectation, then the item about work-disabled/unemployed due to the spine is scored as “I do not have this expectation, or this expectation does not apply to me.”

The summed raw score for the 20 items ranges from 0 to 80.
3. Transform the score to range from 0 to 100.

Transformed score = (raw score / 80) x 100.
4. Report the transformed score.

Higher score indicates expecting more improvement for more items.

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Fig. E-1

Hospital for Special Surgery Lumbar Spine Surgery Expectations Survey scoring. (Reproduced, with permission, from the Hospital for Special Surgery. © 2010, 2012 Hospital for Special Surgery. All Rights Reserved.)

**TABLE E-1 Patient Demographic and Clinical Characteristics**

| Characteristics                                  | Phase 1 (N = 118) | Phase 2 (N = 56) |
|--|-------------------|------------------|
| Age* (yr)  | 59 ± 14           | 57 ± 14          |
| Women†   | 52%               | 50%              |
| Marital status†                                  |                   |                  |
| Married  | 68%               | 75%              |
| Separated or divorced                            | 10%               | 11%              |
| Widowed  | 8%                | 5%               |
| Never married                                    | 14%               | 9%               |
| Education†                                       |                   |                  |
| Less than college                                | 33%               | 43%              |
| Graduated college                                | 28%               | 37%              |
| Graduate school                                  | 39%               | 20%              |
| Work status†                                     |                   |                  |
| Working full-time                                | 35%               | 43%              |
| Working part-time                                | 10%               | 7%               |
| Disability due to spine                          | 19%               | 20%              |
| Help at home (quite a bit or as much as wanted)† | 85%               | 84%              |
| Body mass index, ≥30 kg/m <sup>2</sup> †         | 35%               | 39%              |
| Smoking status†                                  |                   |                  |
| Current smoker                                   | 9%                | 23%              |
| Past smoker                                      | 27%               | 18%              |
| Moderate alcohol use†                            | 64%               | 59%              |
| Comorbidity†                                     |                   |                  |
| None   | 59%               | 66%              |
| One  | 22%               | 18%              |
| Two or more                                      | 19%               | 16%              |
| Depressive symptoms*† (points)                   | 9 ± 8             | 11 ± 8           |
| Positive screen for depression†                  | 35%               | 45%              |
| State anxiety*§ (points)                         | 40 ± 13           | 39 ± 12          |
| Above population norm                            | 64%               | 52%              |
| Trait anxiety*§ (points)                         | 36 ± 13           | 38 ± 13          |
| Above population norm†                           | 48%               | 52%              |
| General physical status*# (points)               | 30 ± 7            | 28 ± 6           |
| General mental status*# (points)                 | 47 ± 13           | 46 ± 12          |

\*The values are given as the mean and the standard deviation. †The values are given as the percentage of patients. ‡This value is based on the Geriatric Depression Scale, with a possible score of 0 to 30 points; a higher score indicates more depressive symptoms. §This value is based on the State-Trait Anxiety Inventory for Adults, with a possible score of 20 to 80 points; a higher score indicates more anxiety. #This value is based on the SF-12 survey, with a possible score of 0 to 100 points; a higher score indicates a better status and a score of 50 points is the general population norm.