

# Instruments Available for Use in Assessment Center

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The Assessment Center Instrument Library includes instruments from PROMIS, Neuro-QOL, and the NIH Toolbox. All instruments are available for use in data collection through Assessment Center. Most instruments are also available as PDFs that can be used for paper/pencil data collection or to facilitate data collection in other applications. **To access**

## PDFs:

1. Register in Assessment Center ([www.assessmentcenter.net](http://www.assessmentcenter.net))
2. Login
3. Click on the PDF hyperlink in the upper right corner of the application
4. Agree to the Terms and Conditions of Use and download the instruments of interest



## PROMIS

PROMIS has many assessment options available to measure self-reported health for clinical research and practice. PROMIS assessment instruments are drawn primarily from calibrated item banks (sets of well-defined and validated items) measuring concepts such as pain, fatigue, physical function, depression, and social function. These calibrated item banks can be used to derive short forms (typically requiring 4-10 items per concept), or computerized adaptive tests (CAT; typically requiring 4-7 items per concept for more precise measurement). Instruments are available for adult self-report, child self-report, and parent proxy report for his/her child.

Tables 1 through 4 list the calibrated PROMIS item banks or scales, item pools, short forms, and profiles. **Item banks** are calibrated items from which a summary score can be obtained from a subset of items (i.e. via CAT or short form) whereas **scales** are calibrated items from which a summary score should be obtained only from the complete set of items. **Item pools** are collections of related items that are not intended to produce a summary score but instead are to be used as single items. **Short forms** are static subsets of item banks, and **profiles** are fixed collections of short forms measuring multiple concepts. Table 6 lists PROMIS instruments currently under development.

Table 1: PROMIS Instruments Available in Assessment Center ([www.assessmentcenter.net](http://www.assessmentcenter.net))

| Domain                                                        | Adult<br># items        |                | Pediatric<br># items |               | Parent Proxy Report<br>for Pediatric Patients<br># items |               |
|---------------------------------------------------------------|-------------------------|----------------|----------------------|---------------|----------------------------------------------------------|---------------|
|                                                               | Bank/<br>Scale/<br>Pool | Short<br>Forms | Bank/<br>Scale       | Short<br>Form | Bank/<br>Scale                                           | Short<br>Form |
| Emotional Distress – Anger                                    | 22                      | 8              | 6                    |               | 5                                                        |               |
| Emotional Distress – Anxiety<br>PROMIS-Cancer – Anxiety       | 29<br>22                | 4, 6, 7, 8     | 13                   | 8             | 13                                                       | 8             |
| Emotional Distress – Depression<br>PROMIS-Cancer – Depression | 28<br>30                | 4, 6, 8a, 8b   | 13                   | 8             | 13                                                       | 6             |
| Applied Cognition – Abilities                                 | 33                      | 4, 6, 8        |                      |               |                                                          |               |
| Applied Cognition – General Concerns                          | 34                      | 4, 6, 8        |                      |               |                                                          |               |
| Psychosocial Illness Impact – Positive                        | 39                      | 4, 8           |                      |               |                                                          |               |
| Psychosocial Illness Impact – Negative                        | 32                      | 4, 8           |                      |               |                                                          |               |
| Alcohol – Alcohol Use                                         | 37                      | 7              |                      |               |                                                          |               |
| Alcohol – Positive Consequences                               | 20                      | 7              |                      |               |                                                          |               |

Table 1 continued

| Domain                                                                            | Adult<br># items        |                 | Pediatric<br># items |               | Parent Proxy Report<br>for Pediatric Patients<br># items |               |
|-----------------------------------------------------------------------------------|-------------------------|-----------------|----------------------|---------------|----------------------------------------------------------|---------------|
|                                                                                   | Bank/<br>Scale/<br>Pool | Short<br>Forms  | Bank/<br>Scale       | Short<br>Form | Bank/<br>Scale                                           | Short<br>Form |
| Alcohol – Negative Consequences                                                   | 31                      | 7               |                      |               |                                                          |               |
| Alcohol – Positive Expectancies                                                   | 9                       | 7               |                      |               |                                                          |               |
| Alcohol – Negative Expectancies                                                   | 11                      | 7               |                      |               |                                                          |               |
| Fatigue<br>PROMIS-Cancer – Fatigue                                                | 95<br>54                | 4, 6, 7, 8      | 23                   | 10            | 23                                                       | 10            |
| Pain – Behavior                                                                   | 39                      | 7               |                      |               |                                                          |               |
| Pain – Interference<br>PROMIS-Cancer – Pain Interference                          | 40<br>35                | 4, 6a, 6b, 8    | 13                   | 8             | 13                                                       | 8             |
| Pain Intensity                                                                    | 3                       |                 |                      |               |                                                          |               |
| Physical Function<br>PROMIS-Cancer – Physical Function                            | 121<br>45               | 4, 6, 8, 10, 20 |                      |               |                                                          |               |
| – Mobility                                                                        | 16                      |                 | 23                   | 8             | 23                                                       | 8             |
| – Upper Extremity                                                                 | 15                      |                 | 29                   | 8             | 29                                                       | 8             |
| Physical Function for Samples with Mobility<br>Aid Users                          | 114                     | 11              |                      |               |                                                          |               |
| Sleep Disturbance                                                                 | 27                      | 4, 6, 8a, 8b    |                      |               |                                                          |               |
| Sleep-Related Impairment                                                          | 16                      | 8               |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Global<br>Satisfaction with Sex Life            | 7                       |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Interest in<br>Sexual Activity                  | 4                       |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Lubrication                                     | 8                       |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Vaginal<br>Discomfort                           | 10                      |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Erectile<br>Function                            | 8                       |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Orgasm<br>(uncalibrated item pool)              | 3                       |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Therapeutic<br>Aids (uncalibrated item pool)    | 9                       |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Sexual<br>Activities (uncalibrated item pool)   | 12                      |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Anal<br>Discomfort (uncalibrated item pool)     | 5                       |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction: Interfering<br>Factors (uncalibrated item pool) | 10                      |                 |                      |               |                                                          |               |
| Sexual Function and Satisfaction Screener<br>Questions (uncalibrated item pool)   | 3                       |                 |                      |               |                                                          |               |
| Satisfaction with Participation in Discretionary<br>Social Activities (v1.0)      | 12                      | 7               |                      |               |                                                          |               |
| Satisfaction with Participation in Social Roles<br>(v1.0)                         | 14                      | 4, 6, 7, 8      |                      |               |                                                          |               |

Table 1 continued

| Domain                                                | Adult<br># items        |                | Pediatric<br># items |               | Parent Proxy Report<br>for Pediatric Patients<br># items |               |
|-------------------------------------------------------|-------------------------|----------------|----------------------|---------------|----------------------------------------------------------|---------------|
|                                                       | Bank/<br>Scale/<br>Pool | Short<br>Forms | Bank/<br>Scale       | Short<br>Form | Bank/<br>Scale                                           | Short<br>Form |
| Satisfaction with Social Roles and Activities (v2.0)  | 44                      | 4, 6, 8        |                      |               |                                                          |               |
| Ability to Participate in Social Roles and Activities | 35                      | 4, 6, 8        |                      |               |                                                          |               |
| Companionship                                         | 6                       | 4              |                      |               |                                                          |               |
| Informational Support                                 | 10                      | 4, 6, 8        |                      |               |                                                          |               |
| Emotional Support                                     | 16                      | 4, 6, 8        |                      |               |                                                          |               |
| Instrumental Support                                  | 11                      | 4, 6, 8        |                      |               |                                                          |               |
| Social Isolation                                      | 14                      | 4, 6, 8        |                      |               |                                                          |               |
| Peer Relationships                                    |                         |                | 15                   | 8             | 15                                                       | 7             |
| Asthma Impact                                         |                         |                | 17                   | 8             | 17                                                       | 8             |
| Global Health*                                        | 10                      |                |                      |               |                                                          |               |

\* The Global Health instrument is scored into physical and mental health summary scores.

Instruments in black are only available in English. Instruments in blue are available in English and Spanish.

Table 2: PROMIS Adult Profile Instruments Available on Assessment Center ([www.assessmentcenter.net](http://www.assessmentcenter.net))

| Domain                                                 | PROMIS-29 | PROMIS-43 | PROMIS-57 |
|--------------------------------------------------------|-----------|-----------|-----------|
|                                                        | # Items   |           |           |
| Emotional Distress – Anxiety                           | 4         | 6         | 8         |
| Emotional Distress – Depression                        | 4         | 6         | 8         |
| Fatigue                                                | 4         | 6         | 8         |
| Pain – Interference                                    | 4         | 6         | 8         |
| Pain – Intensity                                       | 1         | 1         | 1         |
| Physical Function                                      | 4         | 6         | 8         |
| Sleep Disturbance                                      | 4         | 6         | 8         |
| Satisfaction with Participation in Social Roles (v1.0) | 4         | 6         | 8         |

Table 3: PROMIS Pediatric Profile Instruments Available on Assessment Center ([www.assessmentcenter.net](http://www.assessmentcenter.net))

| Domain                          | PROMIS<br>Pediatric 25 | PROMIS<br>Pediatric 37 | PROMIS<br>Pediatric 49 |
|---------------------------------|------------------------|------------------------|------------------------|
|                                 | # Items                |                        |                        |
| Emotional Distress – Anxiety    | 4                      | 6                      | 8                      |
| Emotional Distress – Depression | 4                      | 6                      | 8                      |
| Fatigue                         | 4                      | 6                      | 8                      |
| Pain – Interference             | 4                      | 6                      | 8                      |
| Pain – Intensity                | 1                      | 1                      | 1                      |
| Physical Function – Mobility    | 4                      | 6                      | 8                      |
| Peer Relationships              | 4                      | 6                      | 8                      |

Table 4: PROMIS Sexual Function Brief Profiles

| Domain                            | Men<br>(8 items) | Women<br>(11 items) | Both Genders (skips<br>inappropriate gender<br>questions) |
|-----------------------------------|------------------|---------------------|-----------------------------------------------------------|
|                                   | # Items          |                     |                                                           |
| Interest in Sexual Activity       | 2                | 2                   | 2                                                         |
| Orgasm                            | 1                | 1                   | 1                                                         |
| Global Satisfaction with Sex Life | 2                | 2                   | 2                                                         |
| Erectile Function                 | 3                | -                   | 3                                                         |
| Lubrication                       | -                | 2                   | 2                                                         |
| Vaginal Discomfort                | -                | 3                   | 3                                                         |

Table 5: PROMIS Instruments Under Development

| Domain                                           | Target Population |
|--------------------------------------------------|-------------------|
| Gastro-intestinal Symptoms                       | Adult             |
| Pain Quality v2.0                                | Adult             |
| Self-Efficacy with Management of Chronic Disease | Adult             |
| Experience of Stress                             | Pediatric         |
| Family Belongingness                             | Pediatric         |
| Pain Behavior                                    | Pediatric         |
| Pain Intensity                                   | Pediatric         |
| Pain Quality                                     | Pediatric         |
| Physical Activity                                | Pediatric         |
| Subjective Well-being                            | Pediatric         |

# Neuro•QOL

## Neuro-QOL

Neuro-QOL is a set of self-report measures that assesses the health-related quality of life (HRQOL) of adults and children with neurological disorders. Neuro-QOL is comprised of item banks and scales that evaluate symptoms, concerns, and issues that are relevant across disorders (generic measures) along with instruments that assess areas most relevant for specific patient populations (targeted). Both self- and proxy-report versions are available. The Neuro-QOL instruments enable within-disease as well as cross-disease comparisons and are intended for use in both neurology clinical trials and clinical practice. Neuro-QOL instruments were validated in the following conditions: stroke, multiple sclerosis, amyotrophic lateral sclerosis, Parkinson's disease, pediatric and adult epilepsy, and muscular dystrophy.

Most Neuro-QOL instruments are calibrated item banks that can be administered as a computerized adaptive test (CAT) or as fixed-length short forms. T-scores are produced from the item-level calibrations. The remaining instruments are uncalibrated unidimensional scales. Some or all items can be administered with the sum or the total raw score used in analyses. The following instruments are included in Assessment Center.

Table 6: Neuro-QOL Instruments Available in Assessment Center ([www.assessmentcenter.net](http://www.assessmentcenter.net))

| Domain                                                | Format<br>Adult/Pediatric | Adult<br># items |                     | Pediatric<br>(ages 10-17)<br># items |                     |
|-------------------------------------------------------|---------------------------|------------------|---------------------|--------------------------------------|---------------------|
|                                                       |                           | Bank             | Short<br>Form/Scale | Bank                                 | Short<br>Form/Scale |
| Anxiety                                               | Bank/Bank                 | 21               | 8                   | 19                                   | 8                   |
| Depression                                            | Bank/Bank                 | 24               | 8                   | 16                                   | 8                   |
| Anger                                                 | NA/Bank                   |                  |                     |                                      | 8                   |
| Fatigue                                               | Bank/Bank                 | 19               | 8                   | 13                                   | 8                   |
| Upper Extremity Function - Fine Motor, ADL            | Bank/NA                   | 20               | 8                   |                                      |                     |
| Lower Extremity Function –Mobility                    | Bank/Scale                | 19               | 8                   |                                      | 54                  |
| Applied Cognition- Executive Function                 | Bank/NA                   | 13               | 8                   |                                      |                     |
| Applied Cognition- General Concerns                   | Bank/Bank                 | 18               | 8                   | 14                                   | 8                   |
| Emotional and Behavioral Dyscontrol                   | Bank/NA                   | 18               | 8                   |                                      |                     |
| Positive Affect and Well-Being                        | Bank/NA                   | 23               | 9                   |                                      |                     |
| Sleep Disturbance                                     | Bank/NA                   |                  | 8                   |                                      |                     |
| Ability to Participate in Social Roles and Activities | Bank/NA                   | 45               | 8                   |                                      |                     |
| Satisfaction with Social Roles and Activities         | Bank/NA                   | 45               | 8                   |                                      |                     |
| Social Relations - Interaction with Peers             | NA/Bank                   |                  |                     | 16                                   | 8                   |
| Stigma                                                | Bank/Bank                 | 24               | 8                   | 18                                   | 8                   |
| Pain                                                  | NA/Bank                   |                  |                     |                                      | 10                  |
| Communication                                         | Scale/NA                  |                  | 5                   |                                      |                     |

NA = not applicable

Instruments in blue are available in English and Spanish.

## The NIH Toolbox for Assessment of Neurological and Behavioral Function



The NIH Toolbox is a multidimensional set of royalty-free, performance-based and self-report measures that assess cognitive, motor, sensory, and emotional function in people ages 3-85. Available in both English and Spanish, the NIH Toolbox can be used across diverse study designs and settings. The NIH Toolbox can be administered within two hours and divides tests into four domain batteries: Cognition, Motor, Sensation, and Emotion (self- and parent-report). In addition, within some domains, there are supplemental measures. The measures have been normed and validated in a broad sample of the U.S. population.

Table 7: NIH Toolbox Instruments Available on Assessment Center ([www.assessmentcenter.net](http://www.assessmentcenter.net))

| Domain    | Subdomain                    | Measure Name<br><i>* indicates multiple age appropriate versions</i> |
|-----------|------------------------------|----------------------------------------------------------------------|
| Cognition | Attention/Executive Function | NIH Toolbox Flanker Inhibitory Control and Attention Test            |
| Cognition | Episodic Memory              | NIH Toolbox Picture Sequence Memory Test                             |
| Cognition | Executive Function           | NIH Toolbox Dimensional Change Card Sort Test                        |
| Cognition | Language                     | NIH Toolbox Oral Reading Recognition Test                            |

| Domain    | Subdomain                | Measure Name<br><i>* indicates multiple age appropriate versions</i> |
|-----------|--------------------------|----------------------------------------------------------------------|
| Cognition | Language                 | NIH Toolbox Picture Vocabulary Test                                  |
| Cognition | Processing speed         | NIH Toolbox Pattern Comparison Processing Speed Test                 |
| Cognition | Working Memory           | NIH Toolbox List Sorting Working Memory Test                         |
| Motor     | Balance                  | NIH Toolbox Standing Balance Test                                    |
| Motor     | Dexterity                | NIH Toolbox 9-hole Pegboard Dexterity Test                           |
| Motor     | Endurance                | NIH Toolbox 2-minute Walk Endurance Test                             |
| Motor     | Locomotion               | NIH Toolbox 4-Meter Walk Gait Speed Test                             |
| Motor     | Strength                 | NIH Toolbox Grip Strength Test                                       |
| Sensation | Audition                 | NIH Toolbox Words-in-Noise Test                                      |
| Sensation | Olfaction                | NIH Toolbox Odor Identification Test                                 |
| Sensation | Pain                     | NIH Toolbox Pain Intensity Test                                      |
| Sensation | Pain                     | NIH Toolbox Pain Interference Test                                   |
| Sensation | Taste                    | NIH Toolbox Regional Taste Intensity Test                            |
| Sensation | Vestibular               | NIH Toolbox Dynamic Visual Acuity Test                               |
| Sensation | Vision                   | NIH Toolbox Visual Acuity Test                                       |
| Emotion   | Negative Affect-Anger    | NIH Toolbox Anger-Affect Survey*                                     |
| Emotion   | Negative Affect-Anger    | NIH Toolbox Anger-Hostility Survey                                   |
| Emotion   | Negative Affect-Anger    | NIH Toolbox Anger-Physical Aggression Survey                         |
| Emotion   | Negative Affect-Fear     | NIH Toolbox Fear-Affect Survey*                                      |
| Emotion   | Negative Affect-Fear     | NIH Toolbox Fear-Over Anxious Survey                                 |
| Emotion   | Negative Affect-Fear     | NIH Toolbox Fear-Somatic Arousal Survey                              |
| Emotion   | Negative Affect-Fear     | NIH Toolbox Separation Anxiety Survey                                |
| Emotion   | Negative Affect-Sadness  | NIH Toolbox Sadness Survey*                                          |
| Emotion   | Psychological Well-Being | NIH Toolbox General Life Satisfaction Survey*                        |
| Emotion   | Psychological Well-Being | NIH Toolbox Meaning and Purpose Survey                               |
| Emotion   | Psychological Well-Being | NIH Toolbox Positive Affect Survey*                                  |
| Emotion   | Social Relationships     | NIH Toolbox Friendship Survey                                        |
| Emotion   | Social Relationships     | NIH Toolbox Loneliness Survey                                        |
| Emotion   | Social Relationships     | NIH Toolbox Positive Peer Interaction Survey                         |
| Emotion   | Social Relationships     | NIH Toolbox Social Withdrawal Survey                                 |
| Emotion   | Social Relationships     | NIH Toolbox Empathic Behaviors Survey*                               |
| Emotion   | Social Relationships     | NIH Toolbox Peer Rejection Survey                                    |
| Emotion   | Social Relationships     | NIH Toolbox Perceived Hostility Survey                               |
| Emotion   | Social Relationships     | NIH Toolbox Perceived Rejection Survey                               |
| Emotion   | Social Relationships     | NIH Toolbox Emotional Support Survey                                 |
| Emotion   | Social Relationships     | NIH Toolbox Instrumental Support Survey                              |
| Emotion   | Stress & Self-Efficacy   | NIH Toolbox Perceived Stress Survey*                                 |
| Emotion   | Stress & Self-Efficacy   | NIH Toolbox Self-Efficacy Survey*                                    |

Instruments in [blue](#) are available in English and Spanish.

Additional supplemental measures are available. Visit [www.nihtoolbox.org](http://www.nihtoolbox.org) for more information.