## Colon Cancer Outcomes

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<th>Authors</th>
<th>Diagnosis/Measures</th>
<th>Type, Search method, number of studies identified/reviewed, study criteria</th>
<th>Findings/EDGE Ratings</th>
<th>Conclusions and Recommendations</th>
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</thead>
</table>
| Burgess, F, Galambos, L, Howland, A, Yalamanchili, M, Pfalzer, L | COLON CANCER: Strength and Muscular Endurance | Type: Systematic Review  
Search Method: Google Scholar, Ovid, PubMed/MEDLINE, CINAHL, Web of Science, Cochrane Review, PEDro, Scopus, and Clinical Key  
Studies: 4922 identified; 21 reviewed.  
Criteria:  
• Peer-reviewed publications from 1995 to March of 2014  
• Published in English  
• Psychometric properties were reported  
• Clinically feasible methods  
• Conducted on adults. Each outcome measure was independently reviewed and rated by 2 reviewers. A single Cancer Evaluation Database to Guide Effectiveness (EDGE) Task Force Outcome Measure Rating Form was completed for each tool, and a recommendation was made using the 4-point Cancer EDGE Task Force Rating Scale. | Findings: Clinical measures of strength identified: 1) hand grip strength, 2) hand-held dynamometry, 3) isometric strength, 4) manual muscle testing, and 5) trunk flexion strength/lower extremity (LE) dynamometry, along with muscle endurance.  
Ratings:  
(4) Highly Recommended:  
• None  
(3) Recommended for clinical use:  
• Hand-held dynamometry and hand grip strength using dynamometry  
(2B) Unable to recommend at this time because of poor psychometric properties:  
• Manual muscle testing, isometric strength testing, and trunk flexion/LE dynamometry  
(1) Unable to recommend at this time because of a lack of psychometric support:  
• Muscular endurance testing. | “Using objective hand-held dynamometry for muscle strength testing provides precise measurement to assess baseline status and monitor change among those being treated for colorectal cancer. No measures for muscle endurance in the colorectal cancer population with adequate psychometrics were identified.” |

## Urogenital Cancer Outcome Measures

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<th>Findings/EDGE Ratings</th>
<th>Conclusions and Recommendations</th>
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</thead>
</table>
| Jeffrey, A, Harrington, S, Hill, A, Roscow, A, Alappattu, M | UROGENITAL CANCER: Incontinence | Type: Systematic Review  
Search Method: Multiple electronic databases (MEDLINE, CINAHL, PsycINFO)  
Studies: 1118 articles identified, 228 reviewed, 37 outcome measures selected, 13 met criteria  
Criteria:  
• Outcome measures related to urinary or fecal incontinence in persons with a diagnosis of cancer  
• Published in the English language  
• Articles published Jan 1, 1995 through August 2015 | Findings: The following five of the 13 outcome measures assessing urinary incontinence and 2 of the 13 measures assessing urinary and fecal incontinence are recommended:  
Ratings:  
(4) Highly Recommended:  
• American Urological Association Symptom Index, Pelvic Floor Distress Inventory–Short Form, and Pelvic Floor Impact Questionnaire–Short Form.  
(3) Recommended for clinical use:  
• Incontinence Quality-of-Life Questionnaire and International Consultation on Incontinence Questionnaire–Short Form  
(2A) Unable to recommend at this time:  
• Urogenital Atrophy Questionnaire, Incontinence Impact Questionnaire, American Society of Colon and Rectal Surgeons Fecal Incontinence Questionnaire  
(2B) Unable to recommend at this time:  
• 24-hour pad test, Fecal Incontinence Severity Index  
(1) Do not recommend:  
• 1-hour pad test, Radiumhummet Scale of Disease Specific Symptoms Assessment-Prostate Cancer | “Five of the 13 outcome measures assessing urinary incontinence and 2 of the 13 measures assessing urinary and fecal incontinence demonstrated satisfactory psychometric properties and application to the urogenital cancer population and are thereby recommended for use by the Task Force.” |
### UROGENITAL CANCER: Lymphedema

**Type:** Systematic Review  
**Search Method:** Google Scholar, PubMed/MEDLINE, CINAHL, Web of Science, Cochrane Review, and PEDro.  
**Studies:** 181,658 articles found, 68 identified for review  
**Criteria:**  
- Published in the English language  
- Clinically measured limb volume by direct or indirect means preferably to the lower extremities or genitals  
- Report psychometric properties  
- Present clinically feasible methods  
- Included adults (18 years or older) as participants  
- Articles published after 1996 through “present”  

**Findings:** Both water displacement and circumferential measurement methods by tape measure were rated as Highly Recommended to quantify lower-extremity limb volume. Water displacement was determined to be the criterion standard by which all other assessments of volume are benchmarked. Both optoelectric volumetry and bioelectric impedance analysis were rated as Recommended, and ultrasound was rated Not Recommended  
**Ratings:**  
(4) Highly Recommended:  
- Water displacement and circumferential measurement methods by tape measure  
(3) Recommended for clinical use:  
- Optoelectric volumetry and bioelectric impedance analysis  
(2B) Unable to recommend at this time because of poor psychometric properties:  
- None  
(1) Unable to recommend at this time:  
- Ultrasound

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### PROSTATE CANCER: Functional Mobility

**Type:** Systematic Review  
**Search Method:** Google Scholar, Ovid, PubMed/MEDLINE, CINAHL, Sports Discus, Web of Science, Cochrane Review, and PEDro.  
**Studies:** 38,373 articles found, 87 included  
**Criteria:**  
- Report psychometric properties  
- Present clinically feasible methods  
- Have adults (preferably male) as participants, published in the English language  
- Articles published after 1995 through May 2014  

**Findings:** For 10 walk tests, 5 ADL functional tests, and 3 self-reported community participation measures reviewed in this study, there were seven tests that were highly recommended:  
**Ratings:**  
(4) Highly Recommended:  
- 2-Minute Walk Test (2-MWT) and 6-Minute Walk Test (6-MWT)  
- 10-Meter Timed Walk (10-MTW)  
- Timed Up and Go (TUG)  
- 5 times sit to stand (5xSTS)  
- SPPB  
- Physical Performance Battery for Patients with Cancer (PPB)  
(3) Recommended:  
- Assessment of Life Habits (LIFE-H)  
- Functional Independence Measure (FIM)  
- Activity Measure for Post-Acute Care (AM-PAC)  

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### PROSTATE CANCER: Health-Related Quality of Life

**Type:** Systematic Review  
**Search Method:** PubMed/MEDLINE and Ovid, Google Scholar  
**Studies:** 163 publications met criteria and were reviewed  
**Criteria:**  
- Publication dates limited to January 1, 1995 and later  
- Outcome measure reviewed comprised of:  
  1. Prostate cancer—specific HRQOL measures  
  2. General cancer HRQOL measures, and  
  3. General HRQOL measures  

**Findings:** The following seven patient reported outcome measures are recommended to assess Health-related quality of life (HRQOL):  
**Ratings:**  
(4) Highly Recommended:  
- European Organization for Research and Treatment of Cancer Quality of Life Questionnaire—Prostate 25 (EORTC QLQ-P25)  
- Expanded Prostate Cancer Index Epidemiology (EPC)  
- Assessment of Cancer Therapy-Prostate (FACT-P)  
- UCLA-Prostate Cancer Index (UCLA-PCI)  
- EORTC Quality of Life Questionnaire—Cancer 30 (EORTC QLQ)  
- Functional Assessment of Cancer Therapy-General (FACT-G)  
- Short Form 36, 12, 8 (SF)  

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### PROSTATE CANCER: Clinical Measures of Strength and Muscular Endurance

**Type:** Systematic Review  
**Search Method:** PubMed/Medline CINAHL, Web of Science, Ovid, Google Scholar, Sports Discus, Cochrane Review, PEDro, and Academic Search Premier.  
**Studies:** 683 articles found, 30 included in this Review.  
**Criteria:**  
- Search was limited to articles published after 1995  
- Studies of tools used to assess strength and muscular endurance were included if they reported psychometric properties, clinically feasible methods, performed on adults, published in English.  

**Findings:**  
**Ratings:**  
4 Highly Recommended:  
- None  
3 Recommended for clinical use:  
- Hand grip strength and hand-held dynamometry rated  
2A Unable to recommend:  
- One repetition maximum rated (measure has been used in prostate cancer research however)  
2B Unable to recommend at this time due to lack of psychometric support:  
- Manual muscle testing rated  
- Not recommended:  
- Muscular endurance training

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**Notes:**  
- “Early detection of subclinical lower-extremity lymphedema in this patient population remains challenging, as there is no “index” limb that can be proven to be uninvolved in a patient population with documented pelvic node dissection/irradiation. No articles were found to support valid and reliable genital lymphedema volume measurement.”  
- “Seven tests are highly recommended by the Oncology EDGE Task Force: 2-MWT, 6-MWT, 10-MWT, TUG, 5xSTS, SPPB, and PPB, based on good clinical utility and psychometric properties. Three tests are recommended but lack use in the cancer population: LIFE-H, FIM, and AM-PAC. Further research is needed to establish psychometric properties of other current measures, including validation among PCS, or to develop new assessment tools in the prostate cancer population.”  
- “A variety of patient reported outcome measures have been reported in the literature to assess HRQOL in men diagnosed with prostate cancer. Seven measures were found to have satisfactory psychometric properties, as well as good clinical utility, and are recommended for use by the researchers on this Task Force.”  
- “Utilizing objective dynamometry for hand grip and muscle strength testing provides precise measurement to assess baseline status and monitor change among men treated for prostate cancer.”
### Head and Neck Cancer Outcomes

<table>
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<tr>
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</thead>
</table>
| Spinelli, B., Galantino, M., Eden, M., Flores, A. | **HEAD & NECK CANCER- related Neck Dysfunction** | Type: Systematic Review of Patient Reported Outcomes  
Search Method: PubMed, PEDro, EBSCO Host,  
Medline, PsycInfo, and Cochrane Database  
Studies: 120 outcome measures reviewed using the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRIMSA) model.  
Criteria:  
- Clinically feasible  
- Relevant to the HNC population | Findings: The following three outcome measures demonstrate strong psychometric properties across multiple patient populations but minimally in the head and neck cancer (HNC) population.  
Ratings:  
- 4 Highly Recommended:  
  - The Neck Disability Index  
  - Northwick Park Neck Pain Questionnaire  
  - Neck Pain and Disability Scale | “Further Research should address the efficacy and appropriateness of these measures of these measures for used in patient populations presenting with cancer-related neck dysfunction for HNC.” |
| Eden, M., Flores, A., Galantino, M., Spinelli, B. | **HEAD & NECK CANCER- related Shoulder Dysfunction** | Type: Systematic Review of Patient Reported Outcomes  
Search Method: PubMed, PEDro, EBSCO Host,  
Medline, PsycInfo, and Cochrane Database  
Studies: 47 outcome measures found of which 16 met the criteria to be reviewed.  
Criteria:  
- Clinically feasible  
- Relevant to the HNC population | Findings: Out of the 16 outcome measures reviewed, 5 are recommended:  
Ratings:  
- 4 Highly Recommended: none  
- 3 Recommended:  
  - The Disabilities of the Arm Shoulder and Hand (DASH)  
  - Neck Dissection Impairment Index (NDII)  
  - Shoulder Pain and Disability Index (SPADI)  
  - University of Washington Quality of Life (UW-QOL) shoulder sub-scale | “The DASH, QuickDASH and the SPADI demonstrate strong psychometric properties across multiple patient populations, but have been minimally used in the HNC population. The NDII and UW-QOL were specifically developed for the HNC population but have not been fully tested. Further research should address the efficacy and appropriateness of these measures for use in patient populations presenting with shoulder dysfunction in the setting of HNC.” |
| Galantino, M., Eden, M., Spinelli, B., Flores A. | **HEAD & NECK CANCER: Tempormandibular Related Dysfunction** | Type: Systematic Review  
Search Method: Ovid Medline, PubMed, PEDro, EBSCO Host,  
PsycInfo, and Cochrane Databases  
Studies: 1068 total articles, yielding 38 outcome measures, 22 of which were included in the systems review  
Criteria:  
- Clinically feasible  
- Patient reported | Findings: Four measures are recommended for clinical use.  
Ratings:  
- 4 Highly Recommended: none  
- 3 Recommended:  
  - The Graded Chronic Pain Scale 8  
  - 20-item Jaw functional limitation Scale  
  - TMD Pain Screener | “A variety of outcome measures have been reported in the literature for individuals with HNC-related TMD. Four measures, the Graded Chronic Pain Scale, 8 and 20-item Jaw Functional Limitation Scale and TMD Pain Screener, are recommended for clinical use by the researchers on this task force although it is important to note psychometric properties specific to the HNC population are lacking.” |
| Flores, A., Spinelli, B., Eden, M., Galantino, M. | **HEAD & NECK CANCER: Quantifying External Lymphedema** | Type: Systematic Review  
Search Method: PubMed, PEDro, EBSCO Host, Medline, PsycInfo, and Cochrane Databases  
Studies: 11,337 articles, 141 of which were patient reported outcomes and 254 were clinical measures  
Criteria:  
- Studies on humans  
- Published in English | Findings: No outcome measures for objectively quantifying external edema for the head and neck cancer population can be recommended.  
Ratings: Not Recommended | “The edema measures included in the review have been tested on HNC patients but have not been rigorously tested due to their novelty. There is need for more research on this topic prior to providing definitive recommendations.” |
## Breast Cancer Outcomes

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<th>Findings/ EDGE Ratings</th>
<th>Conclusions and Recommendations</th>
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<tr>
<td>Huang, M., Blackwood, J., Croarkin, E., Wampler-Kuhn, M., Colon, G., Pfizer L.</td>
<td>BREAST CANCER: Balance</td>
<td>Type: Systematic Review Search Method: PubMed, Medline/OVID, CINAHL, Cochrane Review, Web of Science, and PEDro Studies: 683 articles found and 36 included in this review Criteria: Published in English Between January 1, 1995 - July 31, 2014 Described balance outcome measures, balance deficits, or interventions to improve physical function in cancer survivors.</td>
<td>More studies are needed to support the outcome measures for balance in breast cancer survivors.</td>
<td>“This review demonstrates that there is a lack of research evidence supporting the psychometric properties of outcome measures for balance in breast cancer survivors. No studies have examined cutoff scores of balance assessment tools for detecting fallers in breast cancer survivors. Future research is necessary to identify self-reported outcome measures for assessing balance and fall risks, and to differentiate tools specifically for different practice settings throughout the continuum of cancer survivorship.”</td>
</tr>
<tr>
<td>Harrington, S., Miale, S., Ebaugh, D.</td>
<td>BREAST CANCER: Health Related Quality of Life</td>
<td>Type: Systematic Review Search Method: Medline, PsychINFO Studies: 1,407 articles reviewed, 48 outcome measures identified</td>
<td>11 measures are recommended for clinical use by the Task Force Ratings: 4 Highly Recommended: European Organization for the Research and Treatment of Cancer Quality of Life Questionnaire (EORTC QLQ): Breast 23 BREAST-Q Functional Assessment of Cancer Therapy (FACT)- Breast FACT-B+4 EORTC QLQ: Cancer 30 FACT- General Functional Living Index- Cancer Ferrans and Powers Quality of Life Index- Cancer Version Psychological Adjustment to Illness Scale, World Health Organization Quality of Life SF- Health Surveys</td>
<td>“A variety of outcomes measures have been reported in the literature to assess HRQoL in women diagnosed with breast cancer. Eleven measures were found to have satisfactory psychometric properties and recommended for clinical use by the researchers on this Task Force.”</td>
</tr>
<tr>
<td>Drossin, J., Morris, G.S.</td>
<td>BREAST CANCER: Cardiorespiratory Fitness Tests</td>
<td>Type: Systematic Review Search Method: CINAHL, PEDro, Pubmed (Medline), Cochrane, Science Direct, Hooked on Evidence, Web of Science, Scopus, and Sport Discus databases. Studies: 3837 articles identified Criteria: Female survivors of breast cancer Articles written in English</td>
<td>Sixty-eight articles met initial criteria, but only five were found that reported useable psychometric data. Ratings: 4 Highly Recommended: None 3 Recommended: None 2A Unable to Recommend: Maximal and Submaximal tests (treadmill, cycle ergometer, step, and walk/run tests) were valid and in this population, but are not safe or efficient for use in a clinical setting</td>
<td>“Further understanding of the psychometric properties of SET used in the breast cancer survivor population is needed in order to make these tests safe, accurate, and clinically useful.”</td>
</tr>
<tr>
<td>Hile, E., Levangie, P., Ryan, K., Gilchrist, L.</td>
<td>BREAST CANCER: Chemotherapy- induced Peripheral Neuropathy</td>
<td>Type: Systematic Review Search Method: PubMed and CINAHL Studies: 2500 articles Criteria: English Studies on humans 2007-August 2014 Clinically feasible Addressing the chemotherapy- induced peripheral neuropathy (CIPN) experience Published psychometric properties established in survivors of breast cancer</td>
<td>11 measures met the review criteria Ratings: 4 Highly recommended Functional Assessment of Cancer Therapy, Gynecologic Oncology Group- Neurotoxicity Scale (FACT/GOG- Ntx) Oncology Group-Taxane (FACT/GOG-Taxane) Chemotherapy-induced Peripheral Neuropathy Assessment Tool (CIPNAT) Rasch-built Overall Disability Scale for Patients with CIPN (CIPN-R-ODS) European Organization for Research &amp; Treatment in Cancer Quality of Life Quest – CIPN 20 Item (EORTC QLQ-CIPN 20) Patient Neurotoxicity Questionnaire (PNQ Taxanes, Cisplatin and Carboplatin version) Modified Total Neuropathy Score (mTNS) Total Neuropathy Score, clinical version (TNSc) 5-item reduced Total Neuropathy Score (TNSr 5-item) Peripheral Neuropathy Scale (PNS) Scale for Chemotherapy-induced Neurotoxicity (SCIN)</td>
<td>“The Oncology Section Breast Cancer EDGE Task Force on Clinical Measures of CIPN recommends the FACT/GOG-Ntx during physical therapy screening or assessment of CIPN in breast cancer survivors who have received neurotoxic chemotherapy; however, it is not recommended for use in isolation. Therapists are encouraged to supplement with further tests and measures to capture sensory, motor, and autonomic deficits specific to each survivor, along with related activity and participation restrictions.”</td>
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<tr>
<td>Author(s)</td>
<td>Title</td>
<td>Type</td>
<td>Search Method</td>
<td>Criteria</td>
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<tr>
<td>Fisher, M., Lee, J., Davies, C., Colom, G., Pfäuler, L.</td>
<td>BREAST CANCER: Functional Mobility</td>
<td>Systematic Review</td>
<td>Google Scholar, Ovid, PubMed/Medline, CINAHL, Sports Discus, Web of Science, Cochrane Review, and PEDro databases</td>
<td>Studies: 819 articles found, 211 included in this review</td>
</tr>
<tr>
<td>Perdomo, M.K., Perdomo, M.K., Levenhagen, D., Davies, C., Levenhagen, D., Ryans, K.</td>
<td>BREAST CANCER: Secondary Lymphedema</td>
<td>Systematic Review</td>
<td>Academic Search Premier, Health Source Nursing/Academic, MEDLINE, Ovid, PRE-CINAHL, CINAHL, CINAHL with full text, Psychology and Behavioral Collection, PubMed, Google Scholar, EBSCO host, Sports discus, Web of Science, Web of Knowledge, and Cochrane Databases.</td>
<td>Studies: 2114 articles reviewed</td>
</tr>
<tr>
<td>Price, W., Doherty, D., Adams, A.</td>
<td>BREAST CANCER: Cancer related fatigue</td>
<td>Systematic Review</td>
<td>CINAHL, PEDro, PubMed, Medline, Cochrane, First Search, Science Direct, Google Scholar, Hooaked on Evidence, Web of Science, Scopus, and Web of Knowledge.</td>
<td>Studies: 497 articles reviewed</td>
</tr>
<tr>
<td>Davies, C., Ryans, K., Levenhagen, K., Perdomo, M.</td>
<td>BREAST CANCER: Quality of Life and Functional Outcome Measures for Secondary Lymphedema</td>
<td>Systematic Review</td>
<td>Academic Search Premier, Health Source Nursing/Academic, MEDLINE, Ovid, PRE-CINAHL, CINAHL, CINAHL with full text, Psychology and Behavioral Collection, PubMed, Google Scholar, EBSCO host, Sports discus, Web of Science, Web of Knowledge, and Cochrane Databases</td>
<td>Studies: 96 articles reviewed</td>
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<tr>
<td>Topic</td>
<td>Type</td>
<td>Search Method</td>
<td>Studies</td>
<td>Findings</td>
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<td>BREAST CANCER: Pain</td>
<td>Systematic Review</td>
<td>PubMed, PsycINFO</td>
<td>1120 articles reviewed</td>
<td>Six measures were highly recommended by the task force for use in the breast cancer population.</td>
</tr>
<tr>
<td>BREAST CANCER: Strength and Muscular Endurance</td>
<td>Systematic Review</td>
<td>Web of Science, PubMed/Medline, CINAHL, Ovid, Google Scholar, Sports Discus, Cochrane Review, PEDro, and Academic Search</td>
<td>874 articles found, 22 were included in this review</td>
<td>The use of hand held dynamometry is recommended in muscle strength testing</td>
</tr>
<tr>
<td>BREAST CANCER: Scapular Assessment</td>
<td>Systematic Review</td>
<td>Academic Search Premier, Medline, CINAHL, PubMed, Sport Discus, and Pedro</td>
<td>Initial search yielded 694 studies of which 59 were reviewed</td>
<td>Dynamic movement assessment of the scapula is recommended, however, further information is needed relative to its value in the breast cancer population.</td>
</tr>
<tr>
<td>BREAST CANCER: Upper Extremity Function</td>
<td>Systematic Review</td>
<td>PubMed</td>
<td>131 articles reviewed</td>
<td>Five outcome measures are recommended by the Task force for assessing upper extremity function</td>
</tr>
<tr>
<td>BREAST CANCER: Shoulder and Glenohumeral Outcome Measures</td>
<td>Systematic Review</td>
<td>Academic Search Premier, Health Source Nursing/Academic, MEDLINE, Ovid, PRE-CINAHL, CINAHL, CINAHL with full text, Psychology and Behavioral Collection, PubMed, Google Scholar, EBSCO host, Sports discus, and Cochrane Database</td>
<td>168 articles were reviewed</td>
<td>Passive goniometry demonstrated superior psychometric properties over active ROM. Muscle length tests were not specifically studies in the patient population with breast cancer. No information for the patient population with breast cancer found regarding accessory motion</td>
</tr>
</tbody>
</table>
Goniometry, active range of motion
Inclinometer, active and passive ranges of motion
Assessment of “stiffness” at GHJ
Pectoralis major muscle length assessment

2B Unable to Recommend:
Passive range of motion measurements to determine a capsular pattern of GHJ
Assessment of end feel based on Cyriax continuum at the GHJ

1 Not recommended:
Latissimus dorsi muscle length assessment test
Shoulder internal rotation assessment
Shoulder external rotation assessment
Pectoralis minor muscle assessment
1 Latissimus dorsi muscle length assessment
Supine pectoralis minor muscle test

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**Pediatric Cancer Outcomes**

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<tr>
<td>Miale, S; Harrington, S; Brown, K; Braswell, A; Cannoy, J; Krisch, N; Rock, K.</td>
<td></td>
<td></td>
<td></td>
<td>“This Task Force has highly recommended the use of the WBF Pain Rating Scale, and has recommended the use of the Oucher Pain Scale, the Adolescent Pediatric Pain Tool, and the Pieces of Hurt Pain Assessment Tool/Poker Chip Tool to measure pain in children with cancer.”</td>
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</table>
# Outcomes by Condition

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<tr>
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<tr>
<td>Alappattu, M, Harrington, S, Hill, A; Roscow, A; Jeffrey, A.</td>
<td><strong>SEXUAL DYSFUNCTION:</strong> Patient-Reported Measures</td>
<td><strong>Type:</strong> Systematic Review &lt;br&gt; <strong>Search Method:</strong> MEDLINE, CINAHL, PsycINFO &lt;br&gt; <strong>Studies:</strong> 1118 articles were reviewed, 21 measures selected for analysis &lt;br&gt; <strong>Criteria:</strong> &lt;br&gt; 1. Published in English 2. Related to sexual function 3. From 1995 to August 2015</td>
<td><strong>Findings:</strong> Five of the 21 measures had satisfactory psychometric properties and were recommended. &lt;br&gt; <strong>Ratings:</strong> &lt;br&gt; 4 <strong>Highly Recommended:</strong> &lt;br&gt; Sexual Function–Vaginal Changes Questionnaire; International Index of Erectile Function; Erection Hardness Score; Sexual Health Inventory for Men (aka International Index of Erectile Function–5) &lt;br&gt; 3 <strong>Recommended:</strong> &lt;br&gt; Sexual Interest and Desire Inventory 2A <strong>Unable to Recommend:</strong> &lt;br&gt; PROMIS-Sexual Function 2B <strong>Unable to Recommend:</strong> &lt;br&gt; PROMIS-Sexual Function 1 <strong>Not recommended:</strong> &lt;br&gt; Dyadic Adjustment Scale</td>
<td>“Five of the 21 sexual dysfunction measures demonstrated satisfactory psychometric properties and application to the cancer population and are thereby recommended for clinical use in patients with cancer.”</td>
</tr>
<tr>
<td>Harrington, S, Gilchrist, L, Lee, J; Westlake, F; Baker, A.</td>
<td><strong>CLINICAL MEASURES FOR PAIN</strong></td>
<td><strong>Type:</strong> Systematic Review &lt;br&gt; <strong>Search Method:</strong> MEDLINE, CINAHL, PsycINFO &lt;br&gt; <strong>Studies:</strong> 1164 articles identified, 494 were reviewed and 22 measures selected for analysis &lt;br&gt; <strong>Criteria:</strong> &lt;br&gt; 1. Available in English 2. Pain measures were used in individuals with cancer 3. Published from 2005 to 2016 4. Used clinically feasible methods 5. Had reported psychometric properties</td>
<td><strong>Findings:</strong> Seven of the 22 pain measures demonstrated satisfactory psychometric properties and clinical utility and are thereby recommended for clinical and research use in adults with a diagnosis of cancer. &lt;br&gt; <strong>Ratings:</strong> &lt;br&gt; 4 <strong>Highly Recommended:</strong> &lt;br&gt; McGill Pain Questionnaire–Short Form 3 <strong>Recommended:</strong> &lt;br&gt; Brief Pain Inventory 2 <strong>Recommended as reasonable to use (there are limited studies using these measures in the cancer population):</strong> &lt;br&gt; Faces Pain Scale Leeds Assessment of Neuropathic Signs &amp; Symptoms Neuropathic Pain Scale Neuropathic Pain Scale for Chemotherapy-induced Neuropathy Pain-Detect Questionnaire Pain Global Rating of Improvement Pressure Pain Threshold UCSF Oral Cancer Pain Questionnaire Pain Thermometer Alberta Breakthrough Pain Assessment Tool Patient Pain Questionnaire 1 <strong>Not recommended:</strong> &lt;br&gt; American Pain Society Patient Outcome Questionnaire Pain Quality Assessment Scale West Haven Yale Multidimensional Pain Inventory</td>
<td>“Researchers and clinicians are encouraged to review the Task Force recommendations, as well as each specific outcome measure, for more extensive information.”</td>
</tr>
</tbody>
</table>
### MEASURES OF CANCER-RELATED FATIGUE

**Type:** Systematic Review  
**Search Method:** Google Scholar, PubMed/MEDLINE, CINAHL, EMBASE and PEDro  
**Studies:** 626 identified, 136 reviewed  
**Criteria:**  
- Published in English  
- Described tools used to screen for or assess CRF  
- Reported psychometric properties of the tools used to screen or assess CRF  
- Presented clinically feasible methods for the screening and assessment of CRF  
- Included the adult population (≥18 years)  
- Published between Jan 1, 1997 – Aug 2017  

**Findings:** Recommendations were made for 14 questionnaires: five unidimensional and nine multidimensional questionnaires are recommended by the Oncology EDGE Task Force.  
**Ratings:**  
**Unidimensional Questionnaires**  
4 Highly Recommended:  
- Modified Brief Fatigue Inventory  
- Cancer-Related Fatigue Distress Scale  
3 Recommended:  
- 10-point Rating Scale for Fatigue  
- Wu Cancer Fatigue Scale  
**Multidimensional Questionnaires**  
4 Highly Recommended:  
- Multidimensional Fatigue Symptom Inventory  
3 Recommended:  
- Bidimensional Fatigue Scale  
- Cancer Fatigue Scale  
- Fatigue Symptoms Inventory  
- Multidimensional Fatigue Inventory  
- Piper/Quick Piper  
- Profile of Mood States  
- Patient Reported Outcome Measure Information System (PROMIS) Cancer Fatigue Short Form  
- Schwartz Cancer Fatigue Scale  
2 Recommended as reasonable to use:  
- Four-Item Fatigue Scale  
- Lee Fatigue Scale  
- Visual Analog Scale for Fatigue  
- Zung One-Item Self-Rating Depression Scale  
1 Not recommended:  
- Multidimensional Assessment of Fatigue  
- Fatigue Pictogram  
- General Fatigue Scale

**Remarks:**  
“...”

### MEASURES OF BALANCE IN ADULT CANCER SURVIVORS

**Type:** Systematic Review  
**Search Method:** Databases included PubMed/Ovid MEDLINE, CINAHL, EMBASE, and SCOPUS. Search terms included (“cancer” or “neoplasm”) AND (“balance” or “postural balance”) AND (“physical therapy,” “occupational therapy,” or “rehabilitation”) AND (“reliability,” “validity,” or “psychometrics,” “measures,” “measurements,” “surveys,” or “questionnaires”)  
**Studies:** 187 identified, 54 retained  
**Criteria:**  
- Published in English  
- Study designs were randomized controlled trials, controlled clinical trials, experimental studies, and observational studies  
- Participants were adults older than 18 years, with confirmed diagnoses of any cancer  
- Tests or measures were used to assess balance impairments or fall risk, psychometric properties of the measures were reported, or balance or fall risk was the primary outcome of the measures  
- Published between January 1, 2008, and November 1, 2018.

**Findings:**  
**Ratings:**  
**4 Highly Recommended:**  
- The Fullerton Advanced Balance Scale  
- Usual and fast gait speed  
**3 Recommended:**  
- Balance Evaluation Systems Test  
- Timed Up and Go  
- Five Times Sit to Stand  
**2 Recommended as reasonable to use:**  
- 30-Second Sit to Stand  
- Activities-specific Balance Confidence Scale  
- Berg Balance Scale  
- Dizziness Handicap Inventory  
- Functional Reach Test  
- Modified Clinical Test of Sensory Interaction on Balance  
- Short Physical Performance Battery  
- Single leg stance  
- Tinetti Performance-Oriented Mobility Assessment  
**1 Not Recommended:**  
- Balance Efficacy Scale  
- Center-of-pressure measures  
- Sensory Organization Test  
- Sharpened Romberg

**Remarks:**  
“We recommend 5 balance measures for use in adult cancer survivors. Future research with existing balance measures should establish norms, responsiveness, and predictive validity for fall risk, while expanding to focus on imbalance in midlife survivors. Patient-reported outcome measures are needed for cancer-related imbalance.”

**Addendum:**  
“...”

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**References:**  
1. Fisher, M, Davies, C, Lacy, H, Doherty, D.  
2. Huang, M, Hile, E, Croarkin, E, Wampler-Kuhn, M, Blackwood, J, Colon, G, Pfalzer, L.
References:

