

Primary Citations for PROMIS Measures

Last updated May 3, 2024

GENERAL		
Adult	Development and Initial Testing	Cella, D., Riley, W., Stone, A. A., Rothrock, N., Reeve, B. B., Yount, S., Amtmann, D., D., B., Choi, S., Cook, K. F., et al. (2010). The Patient Reported Outcomes Measurement Information System (PROMIS) developed and tested its first wave of adult self-reported health outcome item banks: 2005-2008. <i>Journal of Clinical Epidemiology</i> 63, 1179-1194.
	Qualitative Methods	DeWalt, D., Rothrock, N., Yount, S., Stone, A. A., & on behalf of the PROMIS cooperative group. (2007). Evaluation of item candidates: the PROMIS qualitative item review. <i>Medical Care</i> , 45(5), S12-21.
	Psychometric Methods	Reeve, B., Hays, R. D., Bjorner, J., Cook, K., Crane, P. K., Teresi, J. A., Thissen, D., Revicki, D. A., et al. (2007). Psychometric evaluation and calibration of health-related quality of life item banks: Plans for the Patient-Reported Outcome Measurement Information System (PROMIS). <i>Medical Care</i> , 45(5), S22-31. Hansen, M., Cai, L., Stucky, B.D., Tucker, J.S., Shadel, W.G., & Edelen, M.O. (2014). Methodology for Developing and Evaluating the PROMIS® Smoking Item Banks. <i>Nicotine and Tobacco Research</i> , 16(Suppl 3), S175-189. http://dx.doi.org/10.1093/ntr/ntt123 See also <i>Psychometrika</i> (2021) special section “Advancing methods to assess patient-reported outcomes: lessons learned from the Patient-Reported Outcomes Measurement Information System (PROMIS) initiative, 86.
	Linking Measures	Schalet, B.D., Lim, S., Cella, D. <i>et al.</i> Linking Scores with Patient-reported health outcome instruments: A validation study and comparison of three linking methods. <i>Psychometrika</i> 86, 717–746 (2021). https://doi.org/10.1007/s11336-021-09776-z
	Validation across Clinical Samples	Schalet BD, Pilkonis PA, Yu L, Dodds N, Johnston KL, Yount S, Riley W, Cella D. (2016). Clinical validity of PROMIS Depression, Anxiety, and Anger across diverse clinical samples. <i>Journal of Clinical Epidemiology</i> 73, 119-127. Cook, K.F., Jensen, S.E., Schalet, B.D., Beaumont, J.L., Amtmann, D., Czajkowski, S., et al. (2016). PROMIS® Measures of Pain, Fatigue, Negative Affect, Physical Function and Social Function Demonstrate Clinical Validity across a Range of Chronic Conditions. <i>Journal of Clinical Epidemiology</i> , 73, 89-102. Schalet, B.D., Hays, R.D., Jensen, S.E., Beaumont, J.L., Fries, J.F., & Cella, D. (2016). Validity of PROMIS® Physical Function Measures in Diverse Clinical Samples. <i>Journal of Clinical Epidemiology</i> , 73, 112-118. Askew, R.L., Cook, K.F., Revicki, D.A., Cella, D., & Amtmann, D. (2016). Clinical Validity of PROMIS® Pain Interference and

		<p>Pain Behavior in Diverse Clinical Populations. <i>Journal of Clinical Epidemiology</i>, Volume 73, May 2016, Pages 103-111.</p> <p>Cella, D., Lai, J.-S., Jensen, S.E., Christodoulou, C., Junghaenel, D.U., Reeve, B.B., & Stone, A.A. (2016). PROMIS Fatigue Item Bank Had Clinical Validity across Diverse Chronic Conditions. <i>Journal of Clinical Epidemiology</i>, 73, 128–134.</p> <p>Hahn, E.A., Beaumont, J.L., Pilkonis, P.A., Garcia, S.F., Magasi, S., DeWalt, D.A., & Cella, D. (2016). The PROMIS® Satisfaction with Social Participation Measures Demonstrate Responsiveness in Diverse Clinical Populations. <i>Journal of Clinical Epidemiology</i>, 73, 135-141.</p>
Adult	Measurement equivalence of short forms in diverse socio-demographic groups	Reeve, B.B. & Teresi, J.A. (2016). Overview to the two-part series: Measurement equivalence of the Patient Reported Outcomes Measurement Information System (PROMIS) short forms. <i>Psychological Test and Assessment Modeling</i> , 58, 31-35.
Pediatric	Validation across clinical samples	<p>DeWalt, D., Gross, H., Gipson, D., Selewski, D., DeWitt, E., Dampier, C., et al. (2015). PROMIS® Pediatric Self-Report Scales Distinguish Subgroups of Children within and across Six Common Pediatric Chronic Health Conditions. <i>Quality of Life Research</i>, 1-14.</p> <p>Forrest, C.B., Schuchard, J., Bruno, C. et al (2022). Self-reported health outcomes of children and youth with 10 chronic diseases. <i>Journal of Pediatrics</i>, 246: 207-212.</p> <p>Use PubMed to find additional validation studies focused on specific PROMIS domains or clinical diagnoses.</p>
	Qualitative Methods	Irwin, D.E., Varni, J.W., Yeatts, K., & DeWalt, D.A. (2009). Cognitive Interviewing Methodology in the Development of a Pediatric Item Bank: A Patient Reported Outcomes Measurement Information System (PROMIS) Study. <i>Health and Quality of Life Outcomes</i> , 7(3).
Early Childhood Parent-Report	Development Rationale	Park, C.H., Blaisdell, C.J., & Gillman, M.W. (2022). The NIH ECHO Program: An Impetus for the Development of Early Childhood PROMIS Tools. <i>Journal of Pediatric Psychology</i> , 47(5), 497-499.
	Qualitative Methods	Cella, D., Blackwell, C.K., & Wakschlag, L.S. (2022). Bringing PROMIS to Early Childhood: Introduction and Qualitative Methods for the Development of Early Childhood Parent Report Instruments. <i>Journal of Pediatric Psychology</i> , 47(5):500-9.
	Psychometric Methods	Lai, J.S., Kallen, M.A., Blackwell, C.K., Wakschlag, L.S., & Cella, D. (2022). Psychometric Considerations in Developing PROMIS® Measures for Early Childhood. <i>Journal of Pediatric Psychology</i> , 47(5):510-22.
N/A	Computer Adaptive Testing (CAT)	Cella D, Gershon R, Lai JS, Choi S. The future of outcomes measurement: item banking, tailored short-forms, and computerized adaptive assessment. <i>Quality of Life Research</i> . 2007;16(Suppl 1):133-141.

PHYSICAL HEALTH

Physical Function

Adult	v1.0 – v1.2 Physical Function	<p>Rose, M., Bjorner, J. B., Becker, J., Fries, J. F., & Ware, J. E. (2008). Evaluation of a preliminary physical function item bank supports the expected advantages of the Patient-Reported Outcomes Measurement Information System (PROMIS). <i>Journal of Clinical Epidemiology</i>, 61, 17-33.</p> <p>Rose, M., Bjorner, J.B., Gandek, B., Bruce, B., Fries, J.F., & Ware Jr, J.E. (2014). The PROMIS Physical Function Item Bank Was Calibrated to a Standardized Metric and Shown to Improve Measurement Efficiency. <i>Journal of Clinical Epidemiology</i>, 67(5), 516-526.</p>
	v2.0 Physical Function	<p>Rose, M., Bjorner, J.B., Gandek, B., Bruce, B., Fries, J.F., & Ware Jr, J.E. (2014). The PROMIS Physical Function Item Bank Was Calibrated to a Standardized Metric and Shown to Improve Measurement Efficiency. <i>Journal of Clinical Epidemiology</i>, 67(5), 516-526.</p> <p>AND</p> <p>Schalet, B. D., Kaat, A., Vrahas, M., Buckenmaier III, C. T., Barnhill, R., & Gershon, R. C. (2016, October). Extending the ceiling of an item bank: Development of above-average physical function items for PROMIS. <i>In Quality of Life Research</i> (Vol. 25, pp. 109).</p>
	v1.0 Mobility, v2.0 Mobility, v1.0 Upper Extremity	<p>Hays, R.D., Spritzer, K.L., Amtmann, D., Lai, J.-S., DeWitt, E.M., Rothrock, N., et al. (2013). Upper Extremity and Mobility Subdomains from the Patient-Reported Outcomes Measurement Information System (PROMIS®) Adult Physical Functioning Item Bank. <i>Archives of Physical Medicine and Rehabilitation</i>, 94(11), 2291-2296.</p>
	v2.0 Upper Extremity	<p>Kaat AJ, Buckenmaier C, Cook KF, Rothrock NE, Schalet BD, Gershon RC, Vrahas MS. The expansion and validation of a new upper extremity item bank for the Patient-Reported Outcomes Measurement Information System® (PROMIS). <i>Journal of Patient-Reported Outcomes</i> (2019) 3:69. https://doi.org/10.1186/s41687-019-0158-6.</p>
	Dyspnea	<p>Choi, S.W., Victorson, D.E., Yount, S., Anton, S., Cella, D. (2011). Development of a Conceptual Framework and Calibrated Item Banks to Measure Patient Reported Dyspnea Severity and Related Functional Limitations. <i>Value in Health</i> 14, 291-306.</p> <p>Yount, S.E., Choi, S.W., Victorson, D., Ruo, B., Cella, D., Anton, S., Hamilton, A. (2011). Brief, Valid Measures of Dyspnea and Related Functional Limitations in Chronic Obstructive Pulmonary Disease (COPD). <i>Value in Health</i> 14, 307-315.</p> <p>Irwin DE, Atwood CA, Hays RD, Spritzer K, Liu H, Donohue JF, Leidy NK, Yount SE, DeWalt DA. Correlation of PROMIS Scales and Clinical Measures among Chronic Obstructive Pulmonary Disease Patients with and without Exacerbations. (2015). <i>Quality of Life Research</i>. Apr; 24(4):999-1009.</p>
Pediatric	v1.0 Mobility & Upper Extremity	<p>DeWitt, E. M., Stucky, B. D., Thissen, D., Irwin, D. E., Langer, M., Varni, J. W., Lai, J-S, Yeatts, K. B., & DeWalt, D. A. (2011).</p>

		Construction of the eight item PROMIS Pediatric Physical Function Scales: Built using item response theory. <i>Journal of Clinical Epidemiology</i> , 64(7), 794-804.
Pediatric	v2.0 Mobility & Upper Extremity	Quinn H, Thissen D, Liu Y, Magnus B, Lai JS, Amtmann D, Varni JW, Gross HE, DeWalt DA. (2014) Using item response theory to enrich and expand the PROMIS® pediatric self-report banks. <i>Health and Quality of Life Outcomes</i> . 2014 Oct 25;12:160.
	v3.0 Mobility & Upper Extremity	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
	v1.0 Physical Activity	Tucker, C. A., Bevans, K. B., Becker, B. D., Teneralli, R., & Forrest, C. B. (2020). Development of the PROMIS Pediatric Physical Activity Item Banks. <i>Physical Therapy</i> , 100(8), 1393–1410. https://doi.org/10.1093/ptj/pzaa074
	v1.0 Strength Impact	Tucker, C.A., Bevans, K.B., Teneralli, R.E., Smith, A.W., Bowles, H.R., & Forrest, C.B. (2014). Self-reported Pediatric Measures of Physical Activity, Sedentary Behavior, and Strength Impact for PROMIS: Conceptual Framework. <i>Pediatric Physical Therapy</i> . 26(4):376–384 Tucker, C.A., Bevans, K.B., Teneralli, R.E., Smith, A.W., Bowles, H.R., & Forrest, C.B. (2014). Self-Reported Pediatric Measures of Physical Activity, Sedentary Behavior, and Strength Impact for PROMIS: Item Development. <i>Pediatric Physical Therapy</i> , 26(4), 385-392.
Parent Proxy	v1.0 – v2.0 Mobility & Upper Extremity	Irwin, D., Gross, H., Stucky, B., Thissen, D., Morgan DeWitt, E., Lai, J.S., et al. (2012). Development of Six PROMIS Pediatrics Proxy-Report Item Banks. <i>Health and Quality of Life Outcomes</i> , 10(1), 22.
	v3.0 Mobility & Upper Extremity	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
	v1.0 Physical Activity	Tucker, C. A., Bevans, K. B., Becker, B. D., Teneralli, R., & Forrest, C. B. (2020). Development of the PROMIS Pediatric Physical Activity Item Banks. <i>Physical Therapy</i> , 100(8), 1393–1410. https://doi.org/10.1093/ptj/pzaa074
	v1.0 Strength Impact	No reference available (see references for Pediatric self-report above)
Early Childhood Parent-Report	v1.0 Physical Activity	Lai, J.S., Blackwell, C.K., Tucker, C.A., Jensen, S.E., & Cella, D. (2022). Measuring PROMIS® Physical Activity and Sleep Problems in Early Childhood. <i>Journal of Pediatric Psychology</i> , 47(5), 534-546.
Pain		
Adult	v1.0 – v1.1 Pain Interference	Amtmann, D. A., Cook, K. F., Jensen, M. P., Chen, W-H., Choi, S. W., Revicki, D., Cella, D., Rothrock, N., Keefe, F., Callahan, L., Lai, J-S. (2010). Development of a PROMIS item bank to measure pain interference. <i>Pain</i> , 150(1), 173-82.
	v1.0 – v1.1 Pain Behavior	Revicki, D. A., Chen, W-H., Harnam, N., Cook, K., Amtmann, D., Callahan, L. F., Jensen, M. P., & Keefe, F. J. (2009). Development and psychometric analysis of the PROMIS pain behavior item bank. <i>Pain</i> , 146(1-2), 158-69.

Adult	v2.0 Pain Behavior	Cook KF, Keefe F, Jensen MP, Roddey TS, Callahan LF, et al. Development and validation of a new self-report measure of pain behaviors. <i>Pain</i> . 2013 Dec;154(12):2867-76.
	v2.0 Pain Quality	(Neuropathic pain) Askew, R.L., Cook, K.F., Keefe, F.J., Nowinski, C.J., Cella, D., Revicki, D.A., et al. (2016). A PROMIS Measure of Neuropathic Pain Quality. <i>Value in Health</i> , 19(5), 623-630.
	v1.0 Pain Intensity Scale (3 items)	No reference available
	Pain Intensity - Numeric Rating Scale	No reference available
Pediatric	v1.0 Pain Interference	Varni, J. W., Stucky, B. D., Thissen, D., DeWitt, E. M., Irwin, D., Lai, J-S., Yeatts, K., & DeWalt, D. A. (2010). PROMIS Pediatric Pain Interference Scale: An item response theory analysis of the Pediatric Pain Item Bank. <i>Journal of Pain</i> , 11(11), 1109-19.
	v2.0 Pain Interference	Quinn H, Thissen D, Liu Y, Magnus B, Lai JS, Amtmann D, Varni JW, Gross HE, DeWalt DA. (2014) Using item response theory to enrich and expand the PROMIS® pediatric self-report banks. <i>Health and Quality of Life Outcomes</i> . 2014 Oct 25;12:160.
	v3.0 Pain Interference	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
	v1.0 Pain Behavior	Cunningham NR, Kashikar-Zuck S, Mara C, Goldschneider KR, Revicki DA, Dampier C, Sherry DD, Crosby L, Carle A, Cook KF, Morgan EM. Development and validation of the self-reported PROMIS pediatric pain behavior item bank and short form scale. <i>Pain</i> . 2017 Jul;158(7):1323-1331.
	v3.0 Pain Behavior	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
	v2.0 Pain Quality – Affective, Sensory	Jacobson CJ, Jr., Kashikar-Zuck S, Farrell J, Barnett K, Goldschneider K, Dampier C, Cunningham N, Crosby L, Morgan DeWitt E. Qualitative Evaluation of Pediatric Pain Behavior, Quality, and Intensity Item Candidates and the PROMIS Pain Domain Framework in Children With Chronic Pain. <i>The Journal of Pain</i> , Vol 16, No 12 (December), 2015: pp 1243-1255.
	v3.0 Pain Quality	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
	Pain Intensity – Numeric Rating Scale	No reference available
Parent Proxy	v1.0 – v2.0 Pain Interference	Irwin, D., Gross, H., Stucky, B., Thissen, D., Morgan DeWitt, E., Lai, J.S., et al. (2012). Development of Six PROMIS Pediatrics Proxy-Report Item Banks. <i>Health and Quality of Life Outcomes</i> , 10(1), 22. Varni, J., Thissen, D., Stucky, B., Liu, Y., Magnus, B., Quinn, H., et al. (2014). PROMIS® Parent Proxy Report Scales for Children Ages 5–7 years: An Item Response Theory Analysis of Differential Item Functioning across Age Groups. <i>Quality of Life Research</i> , 23(1), 349-361.

Parent Proxy	v3.0 Pain Interference	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
	v1.0 Pain Behavior	No reference available
	v3.0 Pain Behavior	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
	Pain Intensity - Numeric Rating Scale	No reference available
Fatigue		
Adult	v1.0	Lai, J.S., Cella, D., Choi, S.W., Junghaenel, D.U., Christodoulou, C., Gershon, R., & Stone, A. (2011). How Item Banks and Their Application Can Influence Measurement Practice in Rehabilitation Medicine: A PROMIS Fatigue Item Bank Example. <i>Archives of Physical Medicine and Rehabilitation</i> , 92(10 Supplement), S20-S27.
	v1.0 Daily	Schneider S, Choi SW, Junghaenel DU, Schwartz JE, Stone AA. Psychometric characteristics of daily diaries for the Patient-Reported Outcomes Measurement Information System (PROMIS®): a preliminary investigation. <i>Quality of Life Research</i> 2013; 22.
	v1.0 Fatigue - Multiple Sclerosis	Kamudoni, P., Johns, J., Cook, K. F., Salem, R., Salek, S., Raab, J., Middleton, R., Henke, C., Repovic, P., Alschuler, K., von Geldern, G., Wundes, A., & Amtmann, D. (2021). Standardizing fatigue measurement in multiple sclerosis: the validity, responsiveness and score interpretation of the PROMIS SF v1.0 - Fatigue (MS) 8a. <i>Multiple Sclerosis and Related Disorders</i> , 54, 103117.
Pediatric	v1.0	Lai, J.-S., Stucky, B., Thissen, D., Varni, J., DeWitt, E., Irwin, D., et al. (2013). Development and Psychometric Properties of the PROMIS® Pediatric Fatigue Item Banks. <i>Quality of Life Research</i> , 22(9), 2417-2427.
	v2.0	Quinn H, Thissen D, Liu Y, Magnus B, Lai JS, Amtmann D, Varni JW, Gross HE, DeWalt DA. (2014) Using item response theory to enrich and expand the PROMIS® pediatric self-report banks. <i>Health and Quality of Life Outcomes</i> . 2014 Oct 25;12: 160.
	v3.0	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
Parent Proxy	v1.0 – v2.0	Irwin, D., Gross, H., Stucky, B., Thissen, D., Morgan DeWitt, E., Lai, J.S., et al. (2012). Development of Six PROMIS Pediatrics Proxy-Report Item Banks. <i>Health and Quality of Life Outcomes</i> , 10(1), 22.
	v3.0	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.

Gastrointestinal Symptom Scales		
Adult	v1.0	<p>Spiegel, B.M., Hays, R.D., Bolus, R., Melmed, G.Y., Chang, L., Whitman, C., et al. (2014). Development of the NIH Patient-Reported Outcomes Measurement Information System (PROMIS) Gastrointestinal Symptom Scales. <i>American Journal of Gastroenterology</i>, 109(11), 1804-1814.</p> <p>Khanna, D., Hays, R.D., Shreiner, A.B., Melmed, G.Y., Chang, L., Khanna, P.P., et al. (2017). Responsiveness to Change and Minimally Important Differences of the Patient-Reported Outcomes Measurement Information System Gastrointestinal Symptoms Scales. <i>Digestive Diseases and Sciences</i>, 1-7.</p>
Itch		
Adult	v1.0	<p>Silverberg, J. I., Lai, J.-S., Kantor, R. W., Dalal, P., Hickey, C., Shaunfield, S., . . . Cella, D. (2019). Development, validation and interpretation of the PROMIS Itch Questionnaire: a patient-reported outcome measure for the quality of life impact of itch. <i>Journal of Investigative Dermatology</i>.</p> <p>Silverberg, J. I., Lai, J.-S., Patel, K. R., Singam, V., Vakharia, P. P., Chopra, R., . . . Cella, D. (2020). Measurement properties of the Patient-Reported Outcomes Information System (PROMIS®) Itch Questionnaire: itch severity assessments in adults with atopic dermatitis. <i>British Journal of Dermatology</i>.</p>
Pediatric	v1.0 Itch (PIQ-C)	<p>Paller, A. S., Lai, J. S., Jackson, K., Rangel, S. M., Nowinski, C., Silverberg, J. I., Ustsinovich, V., & Cella, D. (2022). Generation and Validation of the Patient-Reported Outcome Measurement Information System Itch Questionnaire-Child (PIQ-C) to Measure the Impact of Itch on Life Quality. <i>Journal of Investigative Dermatology</i>, 142(5), 1309–1317.e1.</p>
Parent Proxy	v1.0 Itch (PIQ-C)	No reference available
Sexual Function and Satisfaction		
Adult	v1.0	<p>Flynn, K. E., Jeffery, D. D., Keefe, F. J., Porter, L. S., Shelby, R. A., Fawzy, M. R., Gosselin, T. K., Reeve, B. B., & Weinfurt, K. P. (2011). Sexual functioning along the cancer continuum: focus group results from the Patient-Reported Outcomes Measurement Information System (PROMIS). <i>Psycho-Oncology</i>, 20(4), 378-86.</p> <p>Flynn, K.E., Reeve, B.B., Lin, L., Cyranowski, J.M., Bruner, D.W., & Weinfurt, K.P. (2013). Construct Validity of the PROMIS(R) Sexual Function and Satisfaction Measures in Patients with Cancer. <i>Health and Quality of Life Outcomes</i>, 11, 40.</p> <p>Flynn, K.E., Lin, L., Cyranowski, J.M., Reeve, B.B., Reese, et al. (2013). Development of the NIH PROMIS Sexual Function and Satisfaction Measures in Patients with Cancer. <i>Journal of Sexual Medicine</i>, 10 Suppl 1, 43-52.</p>
	v2.0	<p>Weinfurt, K.P., Lin, L., Bruner, D.W., Cyranowski, J.M., Dombeck, C.B., Hahn, E.A., et al. (2015). Development and Initial Validation of the PROMIS® Sexual Function and Satisfaction Measures Version 2.0. <i>The Journal of Sexual Medicine</i>, Sep;12(9):1961-74.</p>

Sleep		
Adult	v1.0	<p>Buysse, D. J., Moul, D. E., Germain, A., Yu, L., Stover, A. M., Dodds, N. E., Johnston, K. L., Shablesky-Cade, M. A., & Pilkonis, P. A. (2010). Development and validation of patient-reported outcome measures for sleep disturbance and sleep-related impairments. <i>Sleep, 33</i>(6), 781-92.</p> <p>Yu, L., Buysse, D.J., Germain, A., Moul, D.E., Stover A., Dodds N.E., Johnston, K.L., Pilkonis, P.A. (2011). Development of short forms for PROMIS sleep disturbance and Sleep-Related Impairment item banks. <i>Behavioral Sleep Medicine, 10</i>(1), 6-24</p>
Pediatric	v1.0	<p>Bevans, K.B., Meltzer, L.J., De La Motte, A., Kratchman, A., Viél, D., & Forrest, C.B. (2018). Qualitative Development and Content Validation of the PROMIS Pediatric Sleep Health Items. <i>Behavioral Sleep Medicine, 1</i>-15.</p> <p>Forrest, C.B., Meltzer, L.J., Marcus, C.L., de la Motte, A., Kratchman, A., Buysse, D.J., et al. (2018). Development and Validation of the PROMIS Pediatric Sleep Disturbance and Sleep-Related Impairment Item Banks. <i>Sleep. Jun 1</i>;41(6).</p>
Early Childhood Parent-Report	Sleep Problems	Lai, J.S., Blackwell, C.K., Tucker, C.A., Jensen, S.E., & Cella, D. (2022). Measuring PROMIS® Physical Activity and Sleep Problems in Early Childhood. <i>Journal of Pediatric Psychology, 47</i> (5), 534-546.
EMOTIONAL HEALTH		
Adult	Depression Anxiety v1.0 – v1.1 Anger	<p>Pilkonis, P.A., Choi, S.W., Reise, S.P., Stover, A.M., Riley, W.T., & Cella, D. (2011). Item Banks for Measuring Emotional Distress from the Patient-Reported Outcomes Measurement Information System (PROMIS): Depression, Anxiety, and Anger. <i>Assessment, 18</i>(3), 263-283.</p> <p>Pilkonis, P.A., Yu, L., Dodds, N.E., Johnston, K.L., Maihoefer, C.C., & Lawrence, S.M. (2014). Validation of the Depression Item Bank from the Patient-Reported Outcomes Measurement Information System (PROMIS) in a Three-Month Observational Study. <i>Journal of Psychiatric Research, 56</i>, 112-119.</p>
Pediatric	v1.0 Depressive Symptoms v1.0 Anxiety	Irwin, D. E., Stucky, B., Langer, M. M., Thissen, D., DeWitt, E. M., Lai, J-S., Varni, J. W., Yeatts, K., & DeWalt, D. A. (2010). An item response analysis of the pediatric PROMIS anxiety and depressive symptoms scales. <i>Quality of Life Research, 19</i> (4), 595-607.
	v2.0 Depressive Symptoms v2.0 Anxiety	Quinn H, Thissen D, Liu Y, Magnus B, Lai JS, Amtmann D, Varni JW, Gross HE, DeWalt DA. (2014) Using item response theory to enrich and expand the PROMIS® pediatric self-report banks. <i>Health and Quality of Life Outcomes. 2014 Oct 25; 12</i> :160.
	v1.0 Anger	Irwin, D., Stucky, B., Langer, M., Thissen, D., DeWitt, E., Lai, J.-S., et al. (2012). PROMIS Pediatric Anger Scale: An Item Response Theory Analysis. <i>Quality of Life Research, 21</i> (4), 697-706.
	v2.0 Anger	Quinn H, Thissen D, Liu Y, Magnus B, Lai JS, Amtmann D, Varni JW, Gross HE, DeWalt DA. (2014) Using item response theory

		to enrich and expand the PROMIS® pediatric self-report banks. <i>Health and Quality of Life Outcomes</i> . 2014 Oct 25; 12:160.
Pediatric	v3.0 Depressive Symptoms v3.0 Anger v3.0 Anxiety	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
Parent Proxy	v1.0 – v2.0 Depressive Symptoms v1.0 – v2.0 Anxiety v1.0 – v2.0 Anger	Irwin, D., Gross, H., Stucky, B., Thissen, D., Morgan DeWitt, E., Lai, J.S., et al. (2012). Development of Six PROMIS Pediatrics Proxy-Report Item Banks. <i>Health and Quality of Life Outcomes</i> , 10(1), 22.
	v3.0 Depressive Symptoms v3.0 Anger v3.0 Anxiety	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes</i> , 7(1): O84.
Early Childhood Parent-Report	Depressive Symptoms Anxiety Anger/Irritability	Sherlock, P., Blackwell, C.K., Kallen, M.A., Lai, J.S., Cella, D, Krogh-Jespersen, S., Luby, J.L., Buss, K.A., Burns, J., & Wakschlag, L.S. (2022). Measuring PROMIS® Emotional Distress in Early Childhood. <i>Journal of Pediatric Psychology</i> , 47(5), 547-558.
General Life Satisfaction, Meaning and Purpose, Positive Affect		
Adult	v1.0 General Life Satisfaction v1.0 Positive Affect	Salsman, J., Lai, J.-S., Hendrie, H., Butt, Z., Zill, N., Pilkonis, P.A., et al. (2014). Assessing Psychological Well-Being: Self-Report Instruments for the NIH Toolbox. <i>Quality of Life Research</i> , 23(1), 205-215.
	v1.0 Meaning and Purpose	Salsman, J., Lai, J.-S., Hendrie, H., Butt, Z., Zill, N., Pilkonis, P.A., et al. (2014). Assessing Psychological Well-Being: Self-Report Instruments for the NIH Toolbox. <i>Quality of Life Research</i> , 23(1), 205-215. Salsman, J. M., Schalet, B. D., Park, C. L., George, L., Steger, M. F., Hahn, E. A., Snyder, M. A., & Cella, D. (2020). Assessing meaning & purpose in life: development and validation of an item bank and short forms for the NIH PROMIS®. <i>Quality of life research: an international journal of quality of life aspects of treatment, care and rehabilitation</i> , 29(8), 2299–2310. https://doi.org/10.1007/s11136-020-02489-3
Pediatric	General Life Satisfaction	Forrest, C.B., Devine, J., Bevans, K.B., Becker, B.D., Carle, A.C., Teneralli, R.E., et al. (2017). Development and Psychometric Evaluation of the PROMIS Pediatric Life Satisfaction Item Banks, Child-Report, and Parent-Proxy Editions. <i>Quality of Life Research</i> . 2018 Jan;27(1):217-234.
	Meaning and Purpose	Ravens-Sieberer U, Devine J, Bevans K, Riley AW, Moon J, Salsman JM, et al. (2014). Subjective well-being measures for children were developed within the PROMIS project: Presentation of first results. <i>Journal of Clinical Epidemiology</i> , 67(2), 207-218.
	Positive Affect	Forrest, C.B., Ravens-Sieberer, U., Devine, J., Becker, B.D., Teneralli, R.E., Moon, J., et al. (2018). Development and Evaluation of the PROMIS® Pediatric Positive Affect Item Bank, Child-Report and Parent-Proxy Editions. <i>Journal of Happiness Studies</i> , 19(3), 699-718.
Parent Proxy	General Life Satisfaction	Forrest, C.B., Devine, J., Bevans, K.B., Becker, B.D., Carle, A.C., Teneralli, R.E., et al. (2017). Development and Psychometric Evaluation of the PROMIS Pediatric Life Satisfaction Item

		Banks, Child-Report, and Parent-Proxy Editions. <i>Quality of Life Research</i> . 2018 Jan;27(1):217-234.
Parent Proxy	Meaning and Purpose	Ravens-Sieberer U, Devine J, Bevans K, Riley AW, Moon J, Salsman JM, et al. (2014). Subjective well-being measures for children were developed within the PROMIS project: Presentation of first results. <i>Journal of Clinical Epidemiology</i> , 67(2), 207-218.
	Positive Affect	Forrest CB, Ravens-Sieberer U, Devine J, et al. Development and Evaluation of the PROMIS® Pediatric Positive Affect Item Bank, Child-Report and Parent-Proxy Editions. <i>Journal of Happiness Studies</i> . 2017:1-20.
Early Childhood Parent-Report	Positive Affect Engagement – Curiosity Engagement – Persistence Self-Regulation – Flexibility Self-Regulation – Frustration Tolerance	Blackwell, C.K., Kallen, M.A., Lai, J.S., Bevans, K.B., Wakschlag, L.S., & Cella, D. (2022). Measuring PROMIS® Well-Being in Early Childhood. <i>Journal of Pediatric Psychology</i> , 47(5), 559-572.
Physical and Psychological Stress Experiences		
Pediatric		Bevans, K.B., Gardner, W., Pajer, K., Riley, A.W., & Forrest, C.B. (2013). Qualitative Development of the PROMIS® Pediatric Stress Response Item Banks. <i>Journal of Pediatric Psychology</i> , 38(2), 173-191. Bevans, K.B., Gardner, W., Pajer, K.A., Becker, B., Carle, A., Tucker, C.A., & Forrest, C.B. (2018). Psychometric Evaluation of the PROMIS® Pediatric Psychological and Physical Stress Experiences Measures. <i>Journal of Pediatric Psychology</i> .
Parent Proxy		Bevans, K.B., Gardner, W., Pajer, K., Riley, A.W., & Forrest, C.B. (2013). Qualitative Development of the PROMIS® Pediatric Stress Response Item Banks. <i>Journal of Pediatric Psychology</i> , 38(2), 173-191. Bevans, K.B., Gardner, W., Pajer, K.A., Becker, B., Carle, A., Tucker, C.A., & Forrest, C.B. (2018). Psychometric Evaluation of the PROMIS® Pediatric Psychological and Physical Stress Experiences Measures. <i>Journal of Pediatric Psychology</i> .
Psychosocial Illness Impact		
Adult	Positive and Negative	Lai, J.S., Garcia, S.F., Salsman, J.M., Rosenbloom, S., & Cella, D. (2012). The Psychosocial Impact of Cancer: Evidence in Support of Independent General Positive and Negative Components. <i>Quality of Life Research</i> , 21(2), 195-207.
Self-Efficacy		
Adult	General	Kupst, M.J., Butt, Z., Stoney, C.M., Griffith, J.W., Salsman, J.M., Folkman, S., & Cella, D. (2015). Assessment of Stress and Self-Efficacy for the NIH Toolbox for Neurological and Behavioral Function. <i>Anxiety, Stress and Coping</i> , 28(5), 531-544.
	Self-Efficacy for Management of Chronic Conditions	Gruber-Baldini, A.L., Velozo, C., Romero, S., & Shulman, L.M. (2017). Validation of the PROMIS® Measures of Self-Efficacy for Managing Chronic Conditions. <i>Quality of Life Research</i> , 1-10.
Cognitive Function		
Adult	v1.0	(No reference available for v1.0, but v1.0 was mentioned in v2.0 paper; see Lai et al., 2014 below)

Adult	v2.0	Lai, J.-S., Wagner, L.I., Jacobsen, P.B., & Cella, D. (2014). Self-Reported Cognitive Concerns and Abilities: Two Sides of One Coin? <i>Psycho-Oncology</i> , 23(10), 1133-1141
Pediatric	v1.0	Lai, J-S, Butt, Z., Zelko, F., Cella, D., Krull, K., Kieran, M., Goldman, S. (2011). Development of a Parent-reported Cognitive Function Item Bank Using Item Response Theory and Exploration of Its Clinical Utility in Computerized Adaptive Testing. <i>Journal of Pediatric Psychology</i> . 36(7):766-79. Lai, J-S., Zelko, F., Krull, K., Cella, D., Nowinski, C., Manley, P., Goldman, S. (2014). Parent-reported cognition of children with cancer and its potential clinical usefulness. <i>Quality of Life Research</i> , 23, 1049-1058.
Alcohol, Smoking, Substance Use		
Adult	Alcohol	Pilkonis, P.A., Yu, L., Colditz, J., Dodds, N., Johnston, K.L., Maihoefer, C., et al. (2013). Item Banks for Alcohol Use from the Patient-Reported Outcomes Measurement Information System (PROMIS): Use, Consequences, and Expectancies. <i>Drug and Alcohol Dependence</i> , 130(1-3), 167-177. Pilkonis, P.A., Yu, L., Dodds, N.E., Johnston, K.L., Lawrence, S., Hilton, T.F. et al. (2015). Item Banks for Substance Use from the Patient-Reported Outcomes Measurement Information System (PROMIS®): Severity of Use and Positive Appeal of Use. <i>Drug and Alcohol Dependence</i> , 2015 Nov 1;156: 184-192. Pilkonis, P.A., Yu, L., Dodds, N.E., Johnston, K.L., Lawrence, S.M., & Daley, D.C. (2016). Validation of the Alcohol Use Item Banks from the Patient-Reported Outcomes Measurement Information System (PROMIS®). <i>Drug and Alcohol Dependence</i> , 161, 316–322.
	Smoking	Edelen, M.O., Tucker, J.S., Shadel, W.G., Stucky, B.D., & Cai, L. (2012). Toward a More Systematic Assessment of Smoking: Development of a Smoking Module for PROMIS®. <i>Addictive Behaviors</i> , 37(11), 1278-1284. Hansen, M., Cai, L., Stucky, B.D., Tucker, J.S., Shadel, W.G., & Edelen, M.O. (2014). Methodology for Developing and Evaluating the PROMIS® Smoking Item Banks. <i>Nicotine and Tobacco Research</i> , 16(Suppl 3), S175-189 Edelen, M.O., Stucky, B.D., Hansen, M., Tucker, J.S., Shadel, W.G., & Cai, L. (2014). The PROMIS Smoking Initiative: Initial Validity Evidence for Six New Smoking Item Banks. <i>Nicotine and Tobacco Research</i> , 16 Suppl 3, S250-260. Edelen, M.O., Huang, W., & Stucky, B.D. (2016). Additional Validity Evidence for the PROMIS Smoking Assessment Toolkit. <i>Addictive Behaviors</i> , 58, 80-84. (there are papers for the specific smoking measures as well)
	Substance Use	Johnston, K., Lawrence, S., Dodds, N., Yu, L., Daley, D., & Pilkonis, P. (2015). Evaluating PROMIS® Instruments and Methods for Patient-Centered Outcomes Research: Patient and Provider Voices in a Substance Use Treatment Setting. <i>Quality of Life Research</i> , 2016 Mar;25(3):615-24 Pilkonis, P.A., Yu, L., Dodds, N.E., Johnston, K.L., Lawrence, S., Hilton, T.F. et al. (2015). Item Banks for Substance Use from

		the Patient-Reported Outcomes Measurement Information System (PROMIS®): Severity of Use and Positive Appeal of Use. <i>Drug and Alcohol Dependence</i> , November 1, 2015, Volume 156, pages 184-192.
Stigma		
Pediatric	v1.0 – v1.1 Stigma v1.0 – v1.1 Stigma—Skin	Lai J.S., Nowinski C., Rangel S.M., Batra S.T., Mueller K., Chamlin S., Ustsinovich V., Cella D., Mansolf M., Paller A.S. (2024). Development of the PROMIS pediatric stigma and extension to the PROMIS pediatric stigma: skin item banks. <i>Quality of Life Research</i> , 33(3):865-873. doi: 10.1007/s11136-023-03574-z. PMID: 38170419 Phan, S., Rangel, S. M., Griffith, J., Ren, Z., Lai, J. S., & Paller, A. S. (2022). The Burden of Stigma in Pediatric Atopic Dermatitis: Measurement Using the New, Validated PROMIS Pediatric Stigma and Skin Modulate. <i>Acta Dermato-Venereologica</i> , 102:10-11.
Parent Proxy	v1.0 Stigma v1.0 Stigma—Skin	No reference available
SOCIAL HEALTH		
Adult	General, Development Work	Castel, L.D., Williams, K.A., Bosworth, H.B., Eisen, S.V., Hahn, E.A., Irwin, D.E., et al. (2008). Content Validity in the PROMIS Social-Health Domain: A Qualitative Analysis of Focus-Group Data. <i>Quality of Life Research</i> , 17(5), 737-749. Hahn, E. A., Cella, D., Bode, R. K., Hanrahan, R. T. (2010). Measuring social well-being in people with chronic illness. <i>Social Indicators Research</i> , 96, 381-401. Bode, R.K., Hahn, E.A., DeVellis, R., Cella, D., on behalf of the Patient-Reported Outcomes Measurement Information System Social Domain Working Group. (2010). Measuring participation: the Patient-Reported Outcomes Measurement Information System experience. <i>Archives of Physical Medicine and Rehabilitation</i> , 91(9 Suppl 1), S60-S65.
	Satisfaction with Participation in Social Roles v1.0 Satisfaction with Participation in Discretionary Activities v1.0	Hahn, E. A., DeVellis, R. F., Bode, R. K., Garcia, S. F., Castel, L. D., Eisen, S. V., Bosworth, H. B., Heinemann, A. W., et al. (2010). Measuring social health in the Patient-Reported Outcomes Measurement Information System (PROMIS): Item bank development and testing. <i>Quality of Life Research</i> , 19, 1035-1044.
	Ability to Participate in Social Roles and Activities v2.0 Satisfaction with Social Roles and Activities v2.0 Companionship v2.0 Emotional Support v2.0 Informational Support v2.0 Instrumental Support v2.0 Social Isolation v2.0	Hahn, E. A., DeWalt, D. A., Bode, R. K., Garcia, S. F., DeVellis, R. F., Correia, H., et al. (2014). New English and Spanish social health measures will facilitate evaluating health determinants. <i>Health Psychology</i> , 33(5), 490–499.

Pediatric	v1.0 – v2.0 Peer Relationships	DeWalt, D.A., Thissen, D., Stucky, B.D., Langer, M.M., Morgan Dewitt, E., et al. (2013). PROMIS Pediatric Peer Relationships Scale: Development of a Peer Relationships Item Bank as Part of Social Health Measurement. <i>Health Psychology, 32</i> (10), 1093-1103.
	v3.0 Peer Relationships	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes, 7</i> (1): O84.
Pediatric	v1.0 Family Relationships	Bevans KB, Riley AW, Landgraff JM, et al. Children's Family Experiences: Development of the PROMIS® Pediatric Family Relationships Measures. <i>Quality of Life Research. 2017</i> Reliability and validity of PROMIS pediatric family relationships short form in children 8–17 years of age with chronic disease. Cox, E.D., Connolly, J.R., Palta, M. et al. (2019). <i>Quality of Life Research, 29</i> , 191-199. https://doi.org/10.1007/s11136-019-02266-x
Parent Proxy	v1.0 Peer Relationships	Irwin, D., Gross, H., Stucky, B., Thissen, D., Morgan DeWitt, E., Lai, J.S., et al. (2012). Development of Six PROMIS Pediatrics Proxy-Report Item Banks. <i>Health and Quality of Life Outcomes, 10</i> (1), 22.
	v2.0 Peer Relationships	No reference available
	v3.0 Peer Relationships	Lai, J. S., Tang, X., Schalet, B. D., Kallen, M. A., Kaat, A. J., & Cella, D. (2023). The PROMIS Pediatric Item Banks Norming Project. <i>Journal of Patient-Reported Outcomes, 7</i> (1): O84.
Early Childhood Parent-Report	v1.0 Social Relationships	Blackwell, C.K., Lai, J.S., Kallen, M., Bevans, K.B., Davis, M.M., Wakschlag, L.S., & Cella, D. Measuring PROMIS® Social Relationships in Early Childhood. <i>Journal of Pediatric Psychology, 47</i> (5), 573-584.
GLOBAL HEALTH		
Adult	v1.0 – v1.2 Global Health (10 items)	Hays, R. D., Bjorner, J., Revicki, R. A., Spritzer, K. L., & Cella, D. (2009). Development of physical and mental health summary scores from the Patient Reported Outcomes Measurement Information System (PROMIS) global items. <i>Quality of Life Research, 18</i> (7), 873-80.
	v1.2 Global Health (2 items)	Hays RD, Schalet BD, Spritzer KL, Cella D. Two-item PROMIS® global physical and mental health scales. <i>Journal of Patient-Reported Outcomes. 2017</i> ;1(1):2.
Pediatric	Global 7 Global 7+2	Forrest, C.B., Bevans, K.B., Pratiwadi, R., Moon, J., Teneralli, R.E., Minton, J.M., & Tucker, C.A. (2014). Development of the PROMIS Pediatric Global Health (PGH-7) Measure. <i>Quality of Life Research, 23</i> (4), 1221-1231. Forrest, C., Tucker, C., Ravens-Sieberer, U., Pratiwadi, R., Moon, J., Teneralli, R., et al. (2015). Concurrent Validity of the PROMIS® Pediatric Global Health Measure. <i>Quality of Life Research, 25</i> (3), 739-751.
Parent Proxy	Global 7 Global 7+2	Forrest, C., Tucker, C., Ravens-Sieberer, U., Pratiwadi, R., Moon, J., Teneralli, R., et al. (2015). Concurrent Validity of the

		PROMIS® Pediatric Global Health Measure. <i>Quality of Life Research</i> , 25(3), 739-751. Forrest, C.B., Bevans, K.B., Pratiwadi, R., Moon, J., Teneralli, R.E., Minton, J.M., & Tucker, C.A. (2014). Development of the PROMIS (R) Pediatric Global Health (Pgh-7) Measure. <i>Quality of Life Research</i> , 23(4), 1221-1231.
Early Childhood Parent-Report	Global	Kallen, M.A., Lai, J.S., Blackwell, C.K., Schuchard, J.R., Forrest, C.B., Wakschlag, L.S., & Cella, D. (2022). Measuring PROMIS® Global Health in Early Childhood. <i>Journal of Pediatric Psychology</i> , 47(5), 523-533.
PROFILES		
Adult	v1.0 – v2.1	Hays, R.D., Spritzer, K.L., Schalet, B.D., & Cella, D. PROMIS®-29 v2.0 Profile Physical and Mental Health Summary Scores. <i>Qual Life Res.</i> 2018 Jul;27(7):1885-1891.
	Heart Failure	Ahmad, F.S., Jackson, K.L., Yount, S.E., Rothrock, N.E., Kallen, M.A., Lacson, L., Bilimoria, K.Y., Kho, A.N., Mutharasan, R.K., McCullough, P.A., Bruckel, J., Fedson, S., Kimmel, S.E., Eton, D.T., Grady, K.L., Yancy, C.W., & Cella, D. (2022). The Development and Initial Validation of the PROMIS®+HF-27 and PROMIS+HF-10 Profiles. <i>ESC Heart Failure</i> , 9(5), 3380-3392.
Pediatric	v1.0 – v2.1	No reference available
OTHER		
Adult	v1.0 – v2.0 Osteoarthritis—Knee	No reference available
Pediatric	v1.0 – v2.0 Asthma Impact	Yeatts, K. B., Stucky, B. D., Thissen, D., Irwin, D., Varni, J. W., DeWitt, E. M., Lai, J-S., & DeWalt, D. A. (2010). Construction of the Pediatric Asthma Impact Scale (PAIS) for the Patient-Reported Outcomes Measurement Information system (PROMIS). <i>Journal of Asthma</i> , 47(3), 295-302.
Parent Proxy	v1.0 – v2.0 Asthma Impact	Yeatts, K. B., Stucky, B. D., Thissen, D., Irwin, D., Varni, J. W., DeWitt, E. M., Lai, J-S., & DeWalt, D. A. (2010). Construction of the Pediatric Asthma Impact Scale (PAIS) for the Patient-Reported Outcomes Measurement Information system (PROMIS). <i>Journal of Asthma</i> , 47(3), 295-302. Irwin, D., Gross, H., Stucky, B., Thissen, D., Morgan DeWitt, E., Lai, J.S., et al. (2012). Development of Six PROMIS Pediatrics Proxy-Report Item Banks. <i>Health and Quality of Life Outcomes</i> , 10(1), 22.