


Using Patient Reported Outcomes at Point of Care in Immune Mediated Diseases: Minimal Clinically Important Differences. M. Elaine Husni1, Chad Deal2, Leonard H. Calabrese3, Greg Strnad4, James Bena5 and Abby Abelson6, 1Orthopedic and Rheumatologic Institute, Cleveland Clinic, Cleveland, OH, 2Cleveland Clinic, Shaker Heights, OH, 3Rheumatology, Cleveland Clinic, Cleveland, OH, 4Cleveland Clinic, Cleveland, OH, 5Quantitative Health Science, QHS Cleveland Clinic, Cleveland, OH, 6Department of Rheumatologic & Immunologic Disease, Cleveland Clinic, Cleveland, OH. Abstract 1408: https://acrabstracts.org/abstract/using-patient-reported-outcomes-at-point-of-care-in-immune-mediated-diseases-minimal-clinically-important-differences/

Validity of Patient-Reported Outcomes Measurement Information System Measures in Ankylosing Spondylitis Patients. Mark Hwang1, Alexis Ogdie2 and John D. Reveille3, 1Internal Medicine-Rheumatology, University of Texas-McGovern Medical School, Houston, TX, 2Medicine/Rheumatology and Epidemiology, University of Pennsylvania, Philadelphia, PA, 3Rheumatology, McGovern Medical
School at the University of Texas Health Science Center at Houston, USA, Houston, TX. Abstract 1635: https://acrabstracts.org/abstract/validity-of-patient-reported-outcomes-measurement-information-system-measures-in-ankylosing-spondylitis-patients/

**Poor Sleep Quality Predicts Worsening SLE Disease Activity.** Philip Chu¹, Alicia M. Hinze², Noor Al-Hammadi³, Lacey Feigl⁴, Nancy Mathis⁴, Deepali Sen⁵, Seth Eisen⁶, Yo-El Ju⁶ and Alfred Kim⁷, ¹Internal Medicine, Washington University School of Medicine, Saint Louis, MO, ²Rheumatology, Johns Hopkins University, Baltimore, MD, ³Division of Biostatistics, Washington University School of Medicine, Saint Louis, MO, ⁴Rheumatology, Washington University School of Medicine, Saint Louis, MO, ⁵Rheumatology, Washington University School of Medicine, St. Louis, MO, ⁶Neurology, Washington University School of Medicine, Saint Louis, MO, ⁷Medicine/Rheumatology, Washington University School of Medicine, St. Louis, MO. Abstract 1672: https://acrabstracts.org/abstract/poor-sleep-quality-predicts-worsening-sle-disease-activity/

**Defining Pain That Does Not Interfere with Activities Among Rheumatoid Arthritis (RA) Patients.** Yvonne C. Lee¹, Patricia Katz²,³, Amanda Quebe⁴, Luna Sun⁵, Himanshu Patel⁶, Carol L. Gaich⁷, Natalie Boytsov⁴ and Kaleb Michaud⁵,⁶, ¹Northwestern University Feinberg School of Medicine, Chicago, IL, ²Forward/National Data Bank for Rheumatic Diseases, Wichita, KS, ³University of California San Francisco, San Francisco, CA, ⁴Eli Lilly and Company, Indianapolis, IN, ⁵Rheumatology, University of Nebraska Medical Center, Omaha, NE, ⁶FORWARD, The National Databank for Rheumatic Diseases, Wichita, KS. Abstract 1918: https://acrabstracts.org/abstract/defining-pain-that-does-not-interfere-with-activities-among-rheumatoid-arthritis-ra-patients/

**Beliefs and Preferences for Reducing Sedentary Time in Those with Current or Past Knee Symptoms.** Christine Pellegrini¹,², Sara Powell³, Chelsea Larsen² and Siobhan Phillips³, ¹Northwestern University Feinberg School of Medicine, Chicago, IL, ²Exercise Science, University of South Carolina, Columbia, SC, ³Preventive Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL. Abstract 1948: https://acrabstracts.org/abstract/beliefs-and-preferences-for-reducing-sedentary-time-in-those-with-current-or-past-knee-symptoms/

**Promis Pain Interference 6b and Fatigue 7a Short Forms and Profile-29 in Rheumatoid Arthritis Patients Treated with TNF Inhibitors.** Clifton O. Bingham III¹, Sergio Schwartzman², Shelly Kafka³, Dennis Parenti³, Shawn Black³, Stephen Xu⁴, Wayne Langhoff⁴ and Jeffrey R. Curtis⁵, ¹Johns Hopkins University, Baltimore, PA, ²Weill Cornell Medical College, New York, NY, ³Janssen Scientific Affairs, LLC, Horsham, PA, ⁴Janssen Research & Development, LLC, Spring House, PA, ⁵University of Alabama at Birmingham, Birmingham, AL. Abstract 2475: https://acrabstracts.org/abstract/promis-pain-interference-6b-and-fatigue-7a-short-forms-and-profile-29-in-rheumatoid-arthritis-patients-treated-with-tnf-inhibitors/

**Patient-Reported Outcomes Measurement Information System (PROMIS®) Global Health Short Form Is Responsive to Patient Reported Changes in SLE Health Status.** Shanthini Kasturi¹, Jackie Szymonifka³, Jessica R. Berman³, Kyriakos A. Kirou³, Alana B. Levine³, Lisa R Sammaritano⁴ and Lisa A. Mandl⁴, ¹Medicine/Rheumatology, Tufts Medical Center, Boston, MA, ²Hospital for Special Surgery, New York, NY, ³Rheumatology, Hospital for Special Surgery/Weill Cornell Medicine, New York, NY, ⁴Hospital for Special Surgery/Weill Cornell Medicine, New York, NY. Abstract 2911:
Examination of Psychometric Properties of the Patient-Reported Outcomes Measurement Information System Fatigue 4-Item Short Form in Psoriatic Arthritis. Patricia Katz1,2, Alexis Ogdie3, Evo Alemao4, Jayanti Mukherjee4 and Kaleb Michaud1,5, 1Forward/National Data Bank for Rheumatic Diseases, Wichita, KS, 2University of California San Francisco, San Francisco, CA, 3Hospital of the University of Pennsylvania, Philadelphia, PA, 4Bristol-Myers Squibb, Princeton, NJ, 5Rheumatology, University of Nebraska Medical Center, Omaha, NE. Abstract 2914: https://acrabstracts.org/abstract/examination-of-psychometric-properties-of-the-patient-reported-outcomes-measurement-information-system-fatigue-4-item-short-form-in-psoriatic-arthritis/

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Responsiveness and Minimally Clinically Important Differences of Promis Measures in Rheumatoid Arthritis. Susan J. Bartlett1, Michelle Jones2 and Clifton O. Bingham III1, 1Department of Medicine, Division of ClinEpi, Rheumatology, Respiriology, McGill University, Montreal, QC, Canada, 3Johns Hopkins University School of Medicine, Baltimore, MD, 3Rheumatology, Johns Hopkins University School of Medicine, Baltimore, MD. Abstract 1082: https://acrabstracts.org/abstract/responsiveness-and-minimally-clinically-important-differences-of-promis-measures-in-rheumatoid-arthritis/


Mapping Paindetect, a Neuropathic Pain Screening Tool, to Patient-Reported Outcomes Measurement Information System (PROMIS) 29 in Patients with Rheumatoid Arthritis: Developing a Neuropathic Pain Scale As A Measure of Treatment Outcome. Yong Gil Hwang1, Lei Zhu2, Ajay Wasan3 and Larry W. Moreland1, 1Rheumatology & Clinical Immunology, University of Pittsburgh, Pittsburgh, PA, 2University of Pittsburgh, Pittsburgh, PA, 3Departments of Anesthesiology and Psychiatry, University of Pittsburgh, Pittsburgh, PA. Abstract 2238: https://acrabstracts.org/abstract/mapping-paindetect-a-neuropathic-pain-screening-tool-to-patient-reported-outcomes-measurement-information-system-promis-29-in-patients-with-rheumatoid-arthritis-developing-a-neuropathic-pain-scal/

Initial Validation of Patient-Reported Outcomes Measurement Information System (PROMIS®) in Children with Juvenile Myositis. Kaveh Ardalan1,2, David Cella3, Lauren M. Pachman4, Elizabeth L. Gray5, Julia (Jungwha) Lee5, Kyle Fahey6,7, Madison Wolfe6,7, Megan L. Curran7,8, Mariana C. Marques6,7 and Rowland W. Chang9, 1Departments of Pediatrics and Medical Social Sciences, Northwestern University Feinberg School of Medicine, Chicago, IL, 2Division of Rheumatology, Ann & Robert H. Lurie Children’s Hospital of Chicago, Chicago, IL, 3Medical Social Sciences, Northwestern University Feinberg School of Medicine, Chicago, IL, 4Cure JM Program of Excellence in Juvenile Myositis Research, Stanley Manne Children’s Research Institute, affiliated with Ann & Robert H. Lurie Children’s Hospital of Chicago, Chicago, IL, 5Preventive Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL, 6Division of Rheumatology, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, 7Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, IL, 8Division of Rheumatology, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, 9Preventive Medicine, Medicine, and Physical Medicine & Rehabilitation, Northwestern University Feinberg School of Medicine, Chicago, IL. Abstract 2252: https://acrabstracts.org/abstract/initia-Validation-of-patient-reported-outcomes-measurement-information-system-promis-in-children-with-juvenile-myositis/


Assessing RA Disease Activity with Promis Measures Using Smartphone Technology. Huifeng Yun1, Shuo Yang2, W. Benjamin Nowell3, Cooper Filby4, Lang Chen1 and Jeffrey R. Curtis4, 1University of Alabama at Birmingham, Birmingham, AL, 2Division of Clinical Immunology & Rheumatology, University of Alabama at Birmingham, Birmingham, AL, 3Global Healthy Living Foundation, Upper Nyack, NY, 4Division of Clinical Immunology and Rheumatology, University of Alabama at Birmingham, Birmingham, AL. Abstract 2781: https://acrabstracts.org/abstract/assessing-ra-disease-activity-with-promis-measures-using-smartphone-technology/
Challenges and Opportunities of Implementing a Patient-Reported Measure of Physical Function through an Online Electronic Health Record Patient Portal in Routine Rheumatology Practice. Jing Li¹, Jinoos Yazdany¹, Laura Trupin¹, Zara Izadi³, Milena Gianfrancesco¹, Sarah Goglin¹ and Gabriela Schmajuk¹, ¹Medicine/Rheumatology, University of California, San Francisco, San Francisco, CA, ²Medicine/Rheumatology, University of California San Francisco, San Francisco, CA, ³Epidemiology and Biostatistics, University of California, San Francisco, San Francisco, CA, ⁴San Francisco VA Medical Center, University of California San Francisco, San Francisco, CA. Abstract 189: https://acrabstracts.org/abstract/challenges-and-opportunities-of-implementing-a-patient-reported-measure-of-physical-function-through-an-online-electronic-health-record-patient-portal-in-routine-rheumatology-practice/

The Impact of Limited Health Literacy on Patient-Reported Outcomes (PROs) in Systemic Lupus Erythematosus (SLE). Patricia P. Katz¹, Maria Dall’Era², Laura Trupin³, Cristina Lanata², Stephanie Rush⁴, Charles G. Helmick⁵, Lindsey A. Criswell⁴ and Jinoos Yazdany³, ¹Medicine, University of California, San Francisco, San Francisco, CA, ²Medicine/Rheumatology, University of California, San Francisco, San Francisco, CA, ³Epidemiology/Rheumatology, University of California San Francisco, San Francisco, CA, ⁴Center for Disease Control and Prevention, Atlanta, GA. Abstract 230: https://acrabstracts.org/abstract/the-impact-of-limited-health-literacy-on-patient-reported-outcomes-pros-in-systemic-lupus-erythematosus-sle/

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Minimally Important Differences for Four Patient-Reported Outcomes Measurement Information System (PROMIS) Short Forms: Physical Function, Pain Interference, Depression, and Anxiety Among Adults with Knee Osteoarthritis. Augustine Lee¹, Lori Lyn Price², Jeffrey Driban³, William F. Harvey¹, Timothy E. McAlindon⁴, Angie Mae Rodday⁵ and Chenchen Wang¹, ¹Rheumatology, Tufts Medical Center, Boston, MA, ²Clinical Care Research, Tufts Medical Center, Boston, MA, ³Tufts Medical Center, Boston, MA, ⁴Division of Rheumatology, Tufts Medical Center, Boston, MA, ⁵Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA. Abstract 299: https://acrabstracts.org/abstract/minimally-important-differences-for-four-patient-reported-outcomes-measurement-information-system-promis-short-forms-physical-function-pain-interference-depression-and-anxiety-among-adults-with/

Performance of Promis Measures in a Multi-Ethnic Population-Based Systemic Lupus Erythematosus (SLE) Cohort. Patricia P. Katz¹, Jinoos Yazdany¹, Laura Trupin¹, Stephanie Rush², Cristina Lanata³, Charles G. Helmick⁴, Lindsey A. Criswell³ and Maria Dall’Era⁵, ¹Medicine/Rheumatology, University of California, San Francisco, San Francisco, CA, ²UCSF, SF, CA, ³Division of Rheumatology, UCSF, San Francisco, CA, ⁴CDC, Atlanta, GA, ⁵Division of Rheumatology, University of California, San Francisco, San Francisco, CA,
The Relationship Between Promis and CDI5 Scores, Disease Duration, Age and Gender in Patients with Rheumatoid Arthritis. Alicia Lieberman1, Judith Baumhauer2, Chris Dasilva3 and Allen P. Anandarajah3, 1Allergy, Immunology and Rheumatology, University of Rochester Medical Center, Rochester, NY, 2Orthopedic surgery, University of Rochester Medical Center, Rochester, NY, 3Dept of Rheumatology, Univ of Rochester Medical Ctr, Rochester, NY. Abstract 529: https://acrabstracts.org/abstract/the-relationship-between-promis-and-cdai5-scores-disease-duration-age-and-gender-in-patients-with-rheumatoid-arthritis/

Promis Short Forms Are Relevant to People Living with RA: Results of Cognitive Debriefing Interviews. Anna Kristina Gutierrez1, Susan J. Bartlett1,2, Alessandra Butanis3, Vivian P. Bykerk4, Jeffrey R. Curtis5, Amye L. Leong6, Anne Lyddiatt7 and Clifton Bingham III8, 1Division of Rheumatology, Johns Hopkins University School of Medicine, Baltimore, MD, 2Department of Medicine, Division of ClinEpi, Rheumatology, Respirology, McGill University, Montreal, QC, Canada, 3Johns Hopkins University School of Medicine, Baltimore, MD, 4Divison of Rheumatology, Hospital for Special Surgery, New York, NY, 5Clinical Immunology and Rheumatology, University of Alabama at Birmingham, Birmingham, AL, 6Strategic Relations, Bone & Joint Decade, Santa Barbara, CA, 7Musculoskeletal Group, Cochrane Collaboration, Hamilton, ON, Canada, 8Johns Hopkins University, Baltimore, MD. Abstract 539: https://acrabstracts.org/abstract/promis-short-forms-are-relevant-to-people-living-with-ra-results-of-cognitive-debriefing-interviews/

Comparison of Multi-Dimensional Health Assessment Questionnaire (MD-HAQ)-Based and Patient-Reported Outcomes Measurement Information System (PROMIS) 29-Based Routine Assessment of Patient Index 3 (RAPID3) for Assessing Rheumatoid Arthritis Disease Activity. Yong Gil Hwang1, Juan (June) Feng2, Heather Eng2, Jason Lyons2, Anthony Fabio2 and Larry W. Moreland1, 1Rheumatology & Clinical Immunology, University of Pittsburgh, Pittsburgh, PA, 2Epidemiology, University of Pittsburgh, School of Public Health, Pittsburgh, PA. Abstract 559: https://acrabstracts.org/abstract/comparison-of-multi-dimensional-health-assessment-questionnaire-md-haq-based-and-patient-reported-outcomes-measurement-information-system-promis-29-based-routine-assessment-of-patient-index-3-rapid3/


Longitudinal Construct Validity for Four Patient-Reported Outcomes Measurement Information System (PROMIS) Short Forms: Physical Function, Pain Interference, Depression, and Anxiety Among Adults with Knee Osteoarthritis. Augustine C. Lee1, Lori Lyn Price2, Jeffrey B. Driban1, William F. Harvey1, Timothy E. McAllindon2, Angie Mae Rodday3, Hans E. Knopp3 and Chenchen Wang1, 1Rheumatology, Tufts Medical Center, Boston, MA, 2Biostatistics Research Center, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA, 3Division of Rheumatology, Tufts Medical Center,
Performance of the Patient-Reported Outcomes Measurement Information System (PROMIS) 29 in Systemic Sclerosis -Associated Interstitial Lung Disease (SSc-ILD). Caitlyn Fisher1,2, Rajaie Namas3, Amber Young2, Holly Wilhalme4 and Dinesh Khanna5, 1Cognitive Science / Creative Writing, Beloit College, Beloit, WI, 2Department of Internal Medicine, Division of Rheumatology, University of Michigan, Ann Arbor, MI, 3Department of Medicine [Division of Rheumatology], University of Michigan, Ann Arbor, MI, 4University of California, Los Angeles, David Geffen School of Medicine, Los Angeles, CA, 5University of Michigan, Ann Arbor, MI. Abstract 2912: https://acrabstracts.org/abstract/performance-of-the-patient-reported-outcomes-measurement-information-system-promis-29-in-systemic-sclerosis-associated-interstitial-lung-disease-ssc-ild/

Utility of Patient-Reported Outcomes Measurement Information System (PROMIS) 29 Short Form for Understanding Interplay Between Patient-Reported Outcome Measures and Physician Driven Disease Activity Measures. Yong Gil Hwang1, Juan (June) Feng2, Heather Eng2, Jason Lyons2, Anthony Fabio2 and Larry W. Moreland1, 1Rheumatology & Clinical Immunology, University of Pittsburgh, Pittsburgh, PA, 2Epidemiology, University of Pittsburgh, School of Public Health, Pittsburgh, PA. Abstract 3083: https://acrabstracts.org/abstract/utility-of-patient-reported-outcomes-measurement-information-system-promis-29-short-form-for-understanding-interplay-between-patient-reported-outcome-measures-and-physician-driven-disease-activity-m/