

## 2018 ACR/ARHP Annual Meeting Abstracts

### **Estimates of Minimally Important Differences and Patient Acceptable Symptom State in Five Patient-Reported Outcomes Measurement Information System Short-Forms Among Individuals with SLE.**

Patricia Katz<sup>1,2</sup>, Evo Alemao<sup>3</sup>, Jayanti Mukherjee<sup>3</sup> and Kaleb Michaud<sup>2,4</sup>, <sup>1</sup>Forward/National Data Bank for Rheumatic Diseases, Wichita, KS, <sup>2</sup>University of California San Francisco, San Francisco, CA, <sup>3</sup>Bristol-Myers Squibb, Princeton, NJ, <sup>4</sup>Rheumatology, University of Nebraska Medical Center, Omaha, NE. Abstract 1403: <https://acrabstracts.org/abstract/estimates-of-minimally-important-differences-and-patient-acceptable-symptom-state-in-five-patient-reported-outcomes-measurement-information-system-short-forms-among-individuals-with-sle/>

### **Responsiveness of Promis (Patient Reported Outcomes Measurement Information System) Measures in a Multi-Racial, Multi-Ethnic Systemic Lupus Erythematosus (SLE) Cohort.**

Patricia Katz<sup>1</sup>, Stephanie Rush<sup>2</sup>, Jinoos Yazdany<sup>3</sup>, Laura Trupin<sup>1</sup>, Louise Murphy<sup>4</sup>, Cristina Lanata<sup>1</sup>, Lindsey A. Criswell<sup>1</sup> and Maria Dall'Era<sup>3</sup>, <sup>1</sup>University of California San Francisco, San Francisco, CA, <sup>2</sup>Medicine/Rheumatology, University of California San Francisco, San Francisco, CA, <sup>3</sup>University of California, San Francisco, San Francisco, CA, <sup>4</sup>Arthritis Program, Centers for Disease Control and Prevention, Atlanta, GA. Abstract 1404: <https://acrabstracts.org/abstract/responsiveness-of-promis-patient-reported-outcomes-measurement-information-system-measures-in-a-multi-racial-multi-ethnic-systemic-lupus-erythematosus-sle-cohort/>

### **Differences in the Measurement Properties of the Patient-Reported Outcomes Measurement Information System Physical Function Short-Form 10a Among Racial/Ethnic Minorities with Rheumatoid Arthritis.**

Zara Izadi<sup>1</sup>, Patricia Katz<sup>2</sup>, Gabriela Schmajuk<sup>3</sup>, Julie Gandrup<sup>4</sup>, Jing Li<sup>5</sup>, Milena Gianfrancesco<sup>6</sup> and Jinoos Yazdany<sup>7</sup>, <sup>1</sup>Epidemiology and Biostatistics, University of California, San Francisco, San Francisco, CA, <sup>2</sup>University of California San Francisco, San Francisco, CA, <sup>3</sup>Medicine/Rheumatology, University of California - San Francisco, San Francisco, CA, <sup>4</sup>Rheumatology, Odense University Hospital, Odense, Denmark, <sup>5</sup>Medicine, UC San Francisco, San Francisco, CA, <sup>6</sup>Medicine/Rheumatology, University of California, San Francisco, San Francisco, CA, <sup>7</sup>University of California, San Francisco, San Francisco, CA. Abstract 1407: <https://acrabstracts.org/abstract/differences-in-the-measurement-properties-of-the-patient-reported-outcomes-measurement-information-system-physical-function-short-form-10a-among-racial-ethnic-minorities-with-rheumatoid-arthritis/>

### **Using Patient Reported Outcomes at Point of Care in Immune Mediated Diseases: Minimal Clinically Important Differences.**

M. Elaine Husni<sup>1</sup>, Chad Deal<sup>2</sup>, Leonard H. Calabrese<sup>3</sup>, Greg Strnad<sup>4</sup>, James Bena<sup>5</sup> and Abby Abelson<sup>6</sup>, <sup>1</sup>Orthopedic and Rheumatologic Institute, Cleveland Clinic, Cleveland, OH, <sup>2</sup>Cleveland Clinic, Shaker Heights, OH, <sup>3</sup>Rheumatology, Cleveland Clinic, Cleveland, OH, <sup>4</sup>Cleveland Clinic, Cleveland, OH, <sup>5</sup>Quantitative Health Science, QHS Cleveland Clinic, Cleveland, OH, <sup>6</sup>Department 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 Hwang<sup>1</sup>, Alexis Ogdie<sup>2</sup> and John D. Reveille<sup>3</sup>, <sup>1</sup>Internal Medicine-Rheumatology, University of Texas-McGovern Medical School, Houston, TX, <sup>2</sup>Medicine/Rheumatology and Epidemiology, University of Pennsylvania, Philadelphia, PA, <sup>3</sup>Rheumatology, 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 Chu<sup>1</sup>, Alicia M. Hinze<sup>2</sup>, Noor Al-Hammadi<sup>3</sup>, Lacey Feigl<sup>4</sup>, Nancy Mathis<sup>4</sup>, Deepali Sen<sup>5</sup>, Seth Eisen<sup>4</sup>, Yo-El Ju<sup>6</sup> and Alfred Kim<sup>7</sup>, <sup>1</sup>Internal Medicine, Washington University School of Medicine, Saint Louis, MO, <sup>2</sup>Rheumatology, Johns Hopkins University, Baltimore, MD, <sup>3</sup>Division of Biostatistics, Washington University School of Medicine, Saint Louis, MO, <sup>4</sup>Rheumatology, Washington University School of Medicine, Saint Louis, MO, <sup>5</sup>Rheumatology, Washington University School of Medicine, St. Louis, MO, <sup>6</sup>Neurology, Washington University School of Medicine, Saint Louis, MO, <sup>7</sup>Medicine/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. Lee<sup>1</sup>, Patricia Katz<sup>2,3</sup>, Amanda Quebe<sup>4</sup>, Luna Sun<sup>4</sup>, Himanshu Patel<sup>4</sup>, Carol L. Gaich<sup>4</sup>, Natalie Boytsov<sup>4</sup> and Kaleb Michaud<sup>5,6</sup>, <sup>1</sup>Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>2</sup>Forward/National Data Bank for Rheumatic Diseases, Wichita, KS, <sup>3</sup>University of California San Francisco, San Francisco, CA, <sup>4</sup>Eli Lilly and Company, Indianapolis, IN, <sup>5</sup>Rheumatology, University of Nebraska Medical Center, Omaha, NE, <sup>6</sup>FORWARD, 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 Pellegrini<sup>1,2</sup>, Sara Powell<sup>2</sup>, Chelsea Larsen<sup>2</sup> and Siobhan Phillips<sup>3</sup>, <sup>1</sup>Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>2</sup>Exercise Science, University of South Carolina, Columbia, SC, <sup>3</sup>Preventive 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 III<sup>1</sup>, Sergio Schwartzman<sup>2</sup>, Shelly Kafka<sup>3</sup>, Dennis Parenti<sup>3</sup>, Shawn Black<sup>3</sup>, Stephen Xu<sup>4</sup>, Wayne Langholff<sup>4</sup> and Jeffrey R. Curtis<sup>5</sup>, <sup>1</sup>Johns Hopkins University, Baltimore, PA, <sup>2</sup>Weill Cornell Medical College, New York, NY, <sup>3</sup>Janssen Scientific Affairs, LLC, Horsham, PA, <sup>4</sup>Janssen Research & Development, LLC, Spring House, PA, <sup>5</sup>University 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 Kasturi<sup>1</sup>, Jackie Szymonifka<sup>2</sup>, Jessica R. Berman<sup>3</sup>, Kyriakos A. Kirou<sup>3</sup>, Alana B. Levine<sup>3</sup>, Lisa R Sammaritano<sup>4</sup> and Lisa A. Mandl<sup>4</sup>, <sup>1</sup>Medicine/Rheumatology, Tufts Medical Center, Boston, MA, <sup>2</sup>Hospital for Special Surgery, New York, NY, <sup>3</sup>Rheumatology, Hospital for Special Surgery/Weill Cornell Medicine, New York, NY, <sup>4</sup>Hospital for Special Surgery/Weill Cornell Medicine, New York, NY. Abstract 2911:

<https://acrabstracts.org/abstract/patient-reported-outcomes-measurement-information-system-promis-global-health-short-form-is-responsive-to-patient-reported-changes-in-sle-health-status/>

**Examination of Psychometric Properties of the Patient-Reported Outcomes Measurement Information System Fatigue 4-Item Short Form in Psoriatic Arthritis.** Patricia Katz<sup>1,2</sup>, Alexis Ogdie<sup>3</sup>, Evo Alemao<sup>4</sup>, Jayanti Mukherjee<sup>4</sup> and Kaleb Michaud<sup>2,5</sup>, <sup>1</sup>Forward/National Data Bank for Rheumatic Diseases, Wichita, KS, <sup>2</sup>University of California San Francisco, San Francisco, CA, <sup>3</sup>Hospital of the University of Pennsylvania, Philadelphia, PA, <sup>4</sup>Bristol-Myers Squibb, Princeton, NJ, <sup>5</sup>Rheumatology, 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. Bartlett<sup>1</sup>, Michelle Jones<sup>2</sup> and Clifton O. Bingham III<sup>3</sup>, <sup>1</sup>Department of Medicine, Division of ClinEpi, Rheumatology, Respiriology, McGill University, Montreal, QC, Canada, <sup>2</sup>Johns Hopkins University School of Medicine, Baltimore, MD, <sup>3</sup>Rheumatology, 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/>

**Relevance and Utility of Patient Reported Outcomes Measurement Information System (PROMIS®) Instruments in SLE: A Qualitative Study.** Shanthini Kasturi<sup>1</sup>, Madeline Epsten<sup>2</sup>, Adena Batterman<sup>3</sup>, Roberta Horton<sup>3</sup>, Juliette Kleinman<sup>3</sup>, Jillian Rose<sup>3</sup>, Jackie Szymonifka<sup>2</sup>, Laura Robbins<sup>4</sup> and Lisa A. Mandl<sup>1</sup>, <sup>1</sup>Rheumatology, Hospital for Special Surgery/Weill Cornell Medicine, New York, NY, <sup>2</sup>Rheumatology, Hospital for Special Surgery, New York, NY, <sup>3</sup>Social Work Programs, Hospital for Special Surgery, New York, NY, <sup>4</sup>Education & Academic Affairs, Hospital for Special Surgery, New York, NY. Abstract 1236: <https://acrabstracts.org/abstract/relevance-and-utility-of-patient-reported-outcomes-measurement-information-system-promis-instruments-in-sle-a-qualitative-study/>

**Responsiveness of Patient Reported Outcomes Measurement Information System (PROMIS®) Computerized Adaptive Tests (CATs) in Systemic Lupus Erythematosus (SLE).** Shanthini Kasturi<sup>1</sup>, Jackie Szymonifka<sup>2</sup>, Jessica R. Berman<sup>3</sup>, Kyriakos A. Kirou<sup>1</sup>, Alana B. Levine<sup>1</sup>, Lisa R. Sammaritano<sup>1</sup> and Lisa A. Mandl<sup>1</sup>, <sup>1</sup>Rheumatology, Hospital for Special Surgery/Weill Cornell Medicine, New York, NY, <sup>2</sup>Rheumatology, Hospital for Special Surgery, New York, NY, <sup>3</sup>Rheumatology, Hospital for Special Surgery Weill Cornell Medical College, New York, NY. Abstract 1264: <https://acrabstracts.org/abstract/responsiveness-of-patient-reported-outcomes-measurement-information-system-promis-computerized-adaptive-tests-cats-in-systemic-lupus-erythematosus-sle/>

**Do Patient Reported Outcome Measurement Information System (PROMIS) Computer Adaptive Tests Correlate with Disease Activity in Juvenile Idiopathic Arthritis?** Rebecca Trachtman<sup>1</sup>, Elizabeth T. Murray<sup>2</sup>, Jackie Szymonifka<sup>3</sup>, Alexa Adams<sup>4</sup>, Nancy Pan<sup>4</sup>, Sarah Taber<sup>4</sup>, Thomas J. A. Lehman<sup>4</sup>, Karen Onel<sup>4</sup> and Lisa A. Mandl<sup>5</sup>, <sup>1</sup>Pediatric Rheumatology, Hospital for Special Surgery Weill Cornell Medical College, NY, NY, <sup>2</sup>Hospital for Special Surgery, New York, NY, <sup>3</sup>Rheumatology, Hospital for Special Surgery, New York, NY, <sup>4</sup>Pediatric Rheumatology, Hospital for Special Surgery Weill Cornell Medical

College, New York, NY, <sup>5</sup>Rheumatology, Hospital for Special Surgery Weill Cornell Medical College, New York, NY. Abstract 1800: <https://acrabstracts.org/abstract/do-patient-reported-outcome-measurement-information-system-promis-computer-adaptive-tests-correlate-with-disease-activity-in-juvenile-idiopathic-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 Hwang<sup>1</sup>, Lei Zhu<sup>2</sup>, Ajay Wasan<sup>3</sup> and Larry W. Moreland<sup>1</sup>, <sup>1</sup>Rheumatology & Clinical Immunology, University of Pittsburgh, Pittsburgh, PA, <sup>2</sup>University of Pittsburgh, Pittsburgh, PA, <sup>3</sup>Departments 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 Ardalan<sup>1,2</sup>, David Cella<sup>3</sup>, Lauren M. Pachman<sup>4</sup>, Elizabeth L. Gray<sup>5</sup>, Julia (Jungwha) Lee<sup>5</sup>, Kyle Fahey<sup>6,7</sup>, Madison Wolfe<sup>6,7</sup>, Megan L. Curran<sup>7,8</sup>, Mariana C. Marques<sup>6,7</sup> and Rowland W. Chang<sup>9</sup>, <sup>1</sup>Departments of Pediatrics and Medical Social Sciences, Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>2</sup>Division of Rheumatology, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, <sup>3</sup>Medical Social Sciences, Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>4</sup>Cure 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, <sup>5</sup>Preventive Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>6</sup>Division of Rheumatology, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, <sup>7</sup>Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, IL, <sup>8</sup>Division of Rheumatology, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, <sup>9</sup>Preventive Medicine, Medicine, and Physical Medicine & Rehabilitation, Northwestern University Feinberg School of Medicine, Chicago, IL. Abstract 2252: <https://acrabstracts.org/abstract/initial-validation-of-patient-reported-outcomes-measurement-information-system-promis-in-children-with-juvenile-myositis/>

**Performance of Patient-Reported Outcomes Measurement Information Systems (PROMIS) Promis-29 and Promis Self-Efficacy in Systemic Sclerosis (SSc).** Janet L. Poole<sup>1</sup>, Veronica J. Berrocal<sup>2</sup>, Jennifer Serrano<sup>3</sup>, Erica Bush<sup>3</sup> and Dinesh Khanna<sup>3</sup>, <sup>1</sup>Health Sciences Ctr OT Program, 1 University of New Mexico, Albuquerque, NM, <sup>2</sup>Div of Rheumatology, University of Michigan, Ann Arbor, MI, <sup>3</sup>University of Michigan, Ann Arbor, MI. Abstract 2694: <https://acrabstracts.org/abstract/performance-of-patient-reported-outcomes-measurement-information-systems-promis-promis-29-and-promis-self-efficacy-in-systemic-sclerosis-ssc/>

**Assessing RA Disease Activity with Promis Measures Using Smartphone Technology.** Huifeng Yun<sup>1</sup>, Shuo Yang<sup>2</sup>, W. Benjamin Nowell<sup>3</sup>, Cooper Filby<sup>1</sup>, Lang Chen<sup>1</sup> and Jeffrey R. Curtis<sup>4</sup>, <sup>1</sup>University of Alabama at Birmingham, Birmingham, AL, <sup>2</sup>Division of Clinical Immunology & Rheumatology, University of Alabama at Birmingham, Birmingham, AL, <sup>3</sup>Global Healthy Living Foundation, Upper Nyack, NY, <sup>4</sup>Division 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 Li<sup>1</sup>, Jinoos Yazdany<sup>2</sup>, Laura Trupin<sup>2</sup>, Zara Izadi<sup>3</sup>, Milena Gianfrancesco<sup>1</sup>, Sarah Goglin<sup>1</sup> and Gabriela Schmajuk<sup>4</sup>, <sup>1</sup>Medicine/Rheumatology, University of California, San Francisco, San Francisco, CA, <sup>2</sup>Medicine/Rheumatology, University of California San Francisco, San Francisco, CA, <sup>3</sup>Epidemiology and Biostatistics, University of California, San Francisco, San Francisco, CA, <sup>4</sup>San 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. Katz<sup>1</sup>, Maria Dall'Era<sup>2</sup>, Laura Trupin<sup>3</sup>, Cristina Lanata<sup>2</sup>, Stephanie Rush<sup>4</sup>, Charles G. Helmick<sup>5</sup>, Lindsey A. Criswell<sup>4</sup> and Jinoos Yazdany<sup>3</sup>, <sup>1</sup>Medicine, University of California, San Francisco, San Francisco, CA, <sup>2</sup>Medicine/Rheumatology, University of California, San Francisco, San Francisco, CA, <sup>3</sup>Medicine/Rheumatology, University of California San Francisco, San Francisco, CA, <sup>4</sup>University of California, San Francisco, San Francisco, CA, <sup>5</sup>Centers 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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**Performance of the Patient Reported Outcomes Measurement Information System (PROMIS) Measure for Physical Function in Early RA.** Till Uhlig, Inge C Olsen, Anna-Birgitte Aga, Siri Lillegraven, Tore K Kvien and Espen A. Haavardsholm, Dept. of Rheumatology, Diakonhjemmet Hospital, Oslo, Norway. Abstract 94: <https://acrabstracts.org/abstract/performance-of-the-patient-reported-outcomes-measurement-information-system-promis-measure-for-physical-function-in-early-ra/>

**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 Lee<sup>1</sup>, Lori Lyn Price<sup>2</sup>, Jeffrey Driban<sup>3</sup>, William F. Harvey<sup>1</sup>, Timothy E. McAlindon<sup>4</sup>, Angie Mae Rodday<sup>5</sup> and Chenchen Wang<sup>1</sup>, <sup>1</sup>Rheumatology, Tufts Medical Center, Boston, MA, <sup>2</sup>Clinical Care Research, Tufts Medical Center, Boston, MA, <sup>3</sup>Tufts Medical Center, Boston, MA, <sup>4</sup>Division of Rheumatology, Tufts Medical Center, Boston, MA, <sup>5</sup>Institute 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. Katz<sup>1</sup>, Jinoos Yazdany<sup>1</sup>, Laura Trupin<sup>1</sup>, Stephanie Rush<sup>2</sup>, Cristina Lanata<sup>3</sup>, Charles G. Helmick<sup>4</sup>, Lindsey A. Criswell<sup>3</sup> and Maria Dall'Era<sup>5</sup>, <sup>1</sup>Medicine/Rheumatology, University of California, San Francisco, San Francisco, CA, <sup>2</sup>UCSF, SF, CA, <sup>3</sup>Division of Rheumatology, UCSF, San Francisco, CA, <sup>4</sup>CDC, Atlanta, GA, <sup>5</sup>Division of Rheumatology, University of California, San Francisco, San Francisco, CA

CA. Abstract 445: <https://acrabstracts.org/abstract/performance-of-promis-measures-in-a-multi-ethnic-population-based-systemic-lupus-erythematosus-sle-cohort/>

**The Relationship Between Promis and CDAI Scores, Disease Duration, Age and Gender in Patients with Rheumatoid Arthritis.** Alicia Lieberman<sup>1</sup>, Judith Baumhauer<sup>2</sup>, Chris Dasilva<sup>2</sup> and Allen P.

Anandarajah<sup>3</sup>, <sup>1</sup>Allergy, Immunology and Rheumatology, University of Rochester Medical Center, Rochester, NY, <sup>2</sup>Orthopedic surgery, University of Rochester Medical Center, Rochester, NY, <sup>3</sup>Dept of Rheumatology, Univ of Rochester Medical Ctr, Rochester, NY. Abstract 529:

<https://acrabstracts.org/abstract/the-relationship-between-promis-and-cdai-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 Gutierrez<sup>1</sup>, Susan J. Bartlett<sup>1,2</sup>, Alessandra Butanis<sup>3</sup>, Vivian P. Bykerk<sup>4</sup>, Jeffrey R. Curtis<sup>5</sup>, Amye L. Leong<sup>6</sup>, Anne Lyddiatt<sup>7</sup> and Clifton Bingham III<sup>8</sup>, <sup>1</sup>Division of Rheumatology, Johns Hopkins University School of Medicine, Baltimore, MD, <sup>2</sup>Department of Medicine, Division of ClinEpi, Rheumatology, Respiriology, McGill University, Montreal, QC, Canada, <sup>3</sup>Johns Hopkins University School of Medicine, Baltimore, MD, <sup>4</sup>Division of Rheumatology, Hospital for Special Surgery, New York, NY, <sup>5</sup>Clinical Immunology and Rheumatology, University of Alabama at Birmingham, Birmingham, AL, <sup>6</sup>Strategic Relations, Bone & Joint Decade, Santa Barbara, CA, <sup>7</sup>Musculoskeletal Group, Cochrane Collaboration, Hamilton, ON, Canada, <sup>8</sup>Johns 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 Hwang<sup>1</sup>, Juan (June) Feng<sup>2</sup>, Heather Eng<sup>2</sup>, Jason Lyons<sup>2</sup>, Anthony Fabio<sup>2</sup> and Larry W. Moreland<sup>1</sup>, <sup>1</sup>Rheumatology & Clinical Immunology, University of Pittsburgh, Pittsburgh, PA, <sup>2</sup>Epidemiology, 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-for-assessing-rheumatoid-arthritis-disease-activity>

**Validity and Reliability of Patient Reported Outcomes Measurement Information System (PROMIS®) Global Health Short Form in Patients with SLE.** Shanthini Kasturi<sup>1</sup>, Jayme C. Burket<sup>2</sup>, Jessica Berman<sup>1</sup>, Kyriakos A. Kirou<sup>1</sup>, Alana B. Levine<sup>1</sup>, Lisa R. Sammaritano<sup>1</sup> and Lisa Mandl<sup>1</sup>, <sup>1</sup>Rheumatology, Hospital for Special Surgery, New York, NY, <sup>2</sup>Healthcare Research Institute, Hospital for Special Surgery, New York, NY. Abstract 2041:

<https://acrabstracts.org/abstract/validity-and-reliability-of-patient-reported-outcomes-measurement-information-system-promis-global-health-short-form-in-patients-with-sle/>

**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. Lee<sup>1</sup>, Lori Lyn Price<sup>2</sup>, Jeffrey B. Driban<sup>1</sup>, William F. Harvey<sup>1</sup>, Timothy E. McAlindon<sup>3</sup>, Angie Mae Rodday<sup>4</sup>, Hans E. Knopp<sup>5</sup> and Chenchen Wang<sup>1</sup>, <sup>1</sup>Rheumatology, Tufts Medical Center, Boston, MA, <sup>2</sup>Biostatistics Research Center, Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA, <sup>3</sup>Division of Rheumatology, Tufts Medical Center,

<sup>4</sup>Department of Physical Therapy, Tufts Medical Center, Boston, MA, <sup>5</sup>Department of Radiology, Tufts Medical Center, Boston, MA. Abstract 560:

Boston, MA, <sup>4</sup>Institute for Clinical Research and Health Policy Studies, Tufts Medical Center, Boston, MA, <sup>5</sup>Physical Medicine and Rehabilitation, Tufts Medical Center, Boston, MA. Abstract 2349: <https://acrabstracts.org/abstract/longitudinal-construct-validity-for-four-patient-reported-outcomes-measurement-information-system-promis-short-forms-physical-function-pain-interference-depression-and-anxiety-among-adults-with/>

**Performance of the Patient-Reported Outcomes Measurement Information System (PROMIS) 29 in Systemic Sclerosis -Associated Interstitial Lung Disease (SSc-ILD).** Caitlyn Fisher<sup>1,2</sup>, Rajaie Namas<sup>3</sup>, Amber Young<sup>2</sup>, Holly Wilhalme<sup>4</sup> and Dinesh Khanna<sup>5</sup>, <sup>1</sup>Cognitive Science / Creative Writing, Beloit College, Beloit, WI, <sup>2</sup>Department of Internal Medicine, Division of Rheumatology, University of Michigan, Ann Arbor, MI, <sup>3</sup>Department of Medicine [Division of Rheumatology], University of Michigan, Ann Arbor, MI, <sup>4</sup>University of California, Los Angeles, David Geffen School of Medicine, Los Angeles, CA, <sup>5</sup>University 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 Hwang<sup>1</sup>, Juan (June) Feng<sup>2</sup>, Heather Eng<sup>2</sup>, Jason Lyons<sup>2</sup>, Anthony Fabio<sup>2</sup> and Larry W. Moreland<sup>1</sup>, <sup>1</sup>Rheumatology & Clinical Immunology, University of Pittsburgh, Pittsburgh, PA, <sup>2</sup>Epidemiology, 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/>

**Determinants of Pain, Fatigue, Physical Function and Social Participation in SLE Patients, Measured with Patient Reported Outcomes Measurement Information System (PROMIS®) Computerized Adaptive Tests.** Shanthini Kasturi<sup>1</sup>, Jayme C. Burket<sup>2</sup>, Jessica Berman<sup>1</sup>, Kyriakos A. Kirou<sup>1</sup>, Alana B. Levine<sup>1</sup>, Lisa R. Sammaritano<sup>1</sup> and Lisa Mandl<sup>1</sup>, <sup>1</sup>Rheumatology, Hospital for Special Surgery, New York, NY, <sup>2</sup>Healthcare Research Institute, Hospital for Special Surgery, New York, NY. Abstract 3233: <https://acrabstracts.org/abstract/determinants-of-pain-fatigue-physical-function-and-social-participation-in-sle-patients-measured-with-patient-reported-outcomes-measurement-information-system-promis-computerized-adapt/>