

Stage 2 Literature Search Strategy

(A) MEDLINE search strategies by IDEOM Core Domain:

The review team divided instrument names retrieved from the stage 1 literature review according to the construct they measure. These constructs corresponded to the following International Dermatology Outcome Measures (IDEOM) core domains: health-related quality of life (HRQoL), treatment satisfaction, patient global, psoriasis symptoms, and psoriasis signs. Reviewers then generated key terms for retrieved instruments and adapted these terms for MEDLINE. The resulting instrument terms^c were combined with search terms for pediatric psoriasis,^a domain construct,^b and specific filters published by Terwee et al. [1] for searching studies on measurement properties: a sensitivity search filter^d and an exclusion filter.^e Reviewers first conducted independent searches for each domain. Results from each independent search were then combined.

MEDLINE: Health-Related Quality of Life Domain (January 2017)	
1	"Psoriasis"[MeSH] or Psoriasis[tiab] or Psoriasis[tiab] or Pustulosis of Palms and Soles[tiab] or Pustulosis Palmaris et Plantaris[tiab] or Palmoplantar Pustulosis[tiab] or Pustular Psoriasis of Palms and Soles[tiab]
2	Infan* OR newborn* OR new-born* OR perinat* OR neonat* OR baby OR baby* OR babies OR toddler* OR minors OR minors* OR boy OR boys OR boyfriend OR boyhood OR girl* OR kid OR kids OR child OR child* OR children* OR schoolchild* OR schoolchild OR school child[tiab] OR school child*[tiab] OR adolescen* OR juvenil* OR youth* OR teen* OR under*age* OR pubescen* OR pediatrics[mh] OR pediatric* OR paediatric* OR peadiatric* OR school [tiab] OR school*[tiab] OR prematur* OR preterm*
3 ^a	#1 AND #2
4 ^b	"Quality of Life"[Mesh] OR quality of life[tiab] OR QoL[tiab] OR HRQoL[tiab] OR health-related quality of life[tiab] OR life quality[tiab]
5 ^c	(Children* Scalpdex in Psoriasis[tiab] OR CSP[tiab]) OR (Psoriasis Stress Life Inventory[tiab] OR PSLI[tiab]) OR (Psoriasis Disability Index[tiab] OR PDI[tiab]) OR (Children* Dermatology Life Quality Index[tiab] OR CDLQI[tiab]) OR (Infant* Dermatology Life Quality Index[tiab] OR IDLQI[tiab]) OR (Dermatology Life

	<p>Quality Index[tiab] OR DLQI[tiab]) OR (Dermatitis Family Impact[tiab] OR DFI[tiab]) OR (Skindex-Teen[tiab] OR Skindex Teen[tiab]) OR (Pediatric Quality of Life Inventory[tiab] OR PedsQL[tiab] OR PedsQL[tiab] OR PedsQL-C[tiab] OR PedsQLc[tiab] PedsQL-P[tiab] OR PedsQLp[tiab] OR PedsQL 4.0[tiab]) OR (German Health-Related Quality of Life in Children-revised[tiab] OR German Health Related Quality of Life in Children-revised[tiab] OR German HRQoL in Children-revised[tiab] OR German Health-Related Quality of Life in Children revised[tiab] OR German Health Related Quality of Life in Children revised [tiab] OR German HRQoL in Children revised[tiab] OR KINDL-R[tiab] OR KINDLER[tiab] OR KINDL[tiab]) OR (Quality of Life Scale for Children[tiab] OR QoL Scale for Children[tiab] OR Autoquestionnaire Qualité de Vie Enfant Imagé[tiab] OR AUQEI[tiab]) OR (SF-36[tiab] OR SF36[tiab] OR SF 36[tiab] OR short form-36[tiab] OR short form 36[tiab] OR short-form 36[tiab] OR 36-item short survey[tiab] OR 36-item short health survey[tiab] OR MOS 36-item short survey[tiab] OR MOS 36-item short health survey[tiab] OR Medical Outcomes Study Short Form 36 Health Survey[tiab] OR RAND 36-Item Health Survey[tiab] OR RAND 36-Item Short Form Health Survey[tiab] OR RAND-36[tiab]) OR (Childhood Health Assessment Questionnaire[tiab] OR Child Health Assessment Questionnaire[tiab] OR CHAQ[tiab]) OR (State-Trait Anxiety Inventory for Children[tiab] OR State Trait Anxiety Inventory for Children[tiab] OR STAIC[tiab] OR STAI-C[tiab] OR STAI C[tiab]) OR (Children* Depression Inventory[tiab] OR CDI[tiab]) OR (Beck Depression Index[tiab] OR BDI[tiab]) OR (Traumatic Antecedents Questionnaire[tiab] OR TAQ[tiab]) OR (Self-Perception Profile[tiab] OR Self Perception Profile[tiab] OR SPPC[tiab] OR SPPA[tiab]) OR (Strengths and Difficulties Questionnaire[tiab] OR SDQ[tiab]) OR (Swedish Universities Scales of Personality[tiab] OR SSP[tiab]) OR (Edward* Personal Preference Schedule[tiab] OR EPPS[tiab]) OR (Impact on Family[tiab] OR IOF[tiab]) OR (Holmes-Rahe Life Stress Inventory[tiab] OR Holmes Rahe Life Stress Inventory[tiab] OR Holmes-Rahe Social Readjustment Rating Scale[tiab] OR Holmes Rahe Social Readjustment Rating Scale[tiab] OR Social Readjustment Rating Scale[tiab] OR SRRS[tiab])</p>
6 ^d	instrumentation[sh] OR methods[sh] OR Validation Studies[pt] OR Comparative

Study[pt] OR "psychometrics"[MeSH] OR psychometr*[tiab] OR clinimetr*[tw] OR clinometr*[tw] OR "outcome assessment (health care)"[MeSH] OR outcome assessment[tiab] OR outcome measure*[tw] OR "observer variation"[MeSH] OR observer variation[tiab] OR "Health Status Indicators"[Mesh] OR "reproducibility of results"[MeSH] OR reproducib*[tiab] OR "discriminant analysis"[MeSH] OR reliab*[tiab] OR unreliab*[tiab] OR valid*[tiab] OR coefficient[tiab] OR homogeneity[tiab] OR homogeneous[tiab] OR "internal consistency"[tiab] OR (cronbach*[tiab] AND (alpha[tiab] OR alphas[tiab])) OR (item[tiab] AND (correlation*[tiab] OR selection*[tiab] OR reduction*[tiab])) OR agreement[tiab] OR precision[tiab] OR imprecision[tiab] OR "precise values"[tiab] OR test-retest[tiab] OR (test[tiab] AND retest[tiab]) OR (reliab*[tiab] AND (test[tiab] OR retest[tiab])) OR stability[tiab] OR interrater[tiab] OR inter-rater[tiab] OR intrarater[tiab] OR intra-rater[tiab] OR intertester[tiab] OR inter-tester[tiab] OR intratester[tiab] OR intra-tester[tiab] OR interobserver[tiab] OR inter-observer[tiab] OR intraobserver[tiab] OR intraobserver[tiab] OR intertechnician[tiab] OR inter-technician[tiab] OR intratechnician[tiab] OR intra-technician[tiab] OR interexaminer[tiab] OR inter-examiner[tiab] OR intraexaminer[tiab] OR intra-examiner[tiab] OR interassay[tiab] OR inter-assay[tiab] OR intraassay[tiab] OR intra-assay[tiab] OR interindividual[tiab] OR inter-individual[tiab] OR intraindividual[tiab] OR intra-individual[tiab] OR interparticipant[tiab] OR inter-participant[tiab] OR intraparticipant[tiab] OR intra-participant[tiab] OR kappa[tiab] OR kappa's[tiab] OR kappas[tiab] OR repeatab*[tiab] OR ((replicab*[tiab] OR repeated[tiab]) AND (measure[tiab] OR measures[tiab] OR findings[tiab] OR result[tiab] OR results[tiab] OR test[tiab] OR tests[tiab])) OR generaliza*[tiab] OR generalisa*[tiab] OR concordance[tiab] OR (intraclass[tiab] AND correlation*[tiab]) OR discriminative[tiab] OR "known group"[tiab] OR factor analysis[tiab] OR factor analyses[tiab] OR dimension*[tiab] OR subscale*[tiab] OR (multitrait[tiab] AND scaling[tiab] AND (analysis[tiab] OR analyses[tiab])) OR item discriminant[tiab] OR interscale correlation*[tiab] OR error[tiab] OR errors[tiab] OR "individual variability"[tiab] OR (variability[tiab] AND (analysis[tiab] OR values[tiab])) OR (uncertainty[tiab] AND (measurement[tiab] OR measuring[tiab])) OR "standard error

	of measurement"[tiab] OR sensitiv*[tiab] OR responsive*[tiab] OR ((minimal[tiab] OR minimally[tiab] OR clinical[tiab] OR clinically[tiab]) AND (important[tiab] OR significant[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR (small*[tiab] AND (real[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR meaningful change[tiab] OR "ceiling effect"[tiab] OR "floor effect"[tiab] OR "item response model"[tiab] OR IRT[tiab] OR Rasch[tiab] OR "differential item functioning"[tiab] OR DIF[tiab] OR "computer adaptive testing"[tiab] OR "item bank"[tiab] OR "cross-cultural equivalence"[tiab]
7	3 AND 4 AND 5 AND 6
8 ^e	NOT "addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development conference"[Publication Type] OR "consensus development conference,nih"[Publication Type] OR "practice guideline"[Publication Type]) NOT ("animals"[MeSH] NOT "humans"[MeSH])

MEDLINE: Treatment Satisfaction (January 2017)	
1	"Psoriasis"[MeSH] or Psoriasis[tiab] or Psoriasis[tiab] or Pustulosis of Palms and Soles[tiab] or Pustulosis Palmaris et Plantaris[tiab] or Palmoplantaris Pustulosis[tiab] or Pustular Psoriasis of Palms and Soles[tiab]
2	Infan* OR newborn* OR new-born* OR perinat* OR neonat* OR baby OR baby* OR babies OR toddler* OR minors OR minors* OR boy OR boys OR boyfriend OR boyhood OR girl* OR kid OR kids OR child OR child* OR children* OR schoolchild* OR schoolchild OR school child[tiab] OR school child*[tiab] OR adolescen* OR juvenil* OR youth* OR teen* OR under*age* OR pubescen* OR

	pediatrics[mh] OR pediatric* OR paediatric* OR peadiatric* OR school [tiab] OR school*[tiab] OR prematur* OR preterm*
3 ^a	#1 AND #2
4 ^b	Treatment satisfaction[tiab]
5 ^c	(Topical Corticophobia[tiab] OR TOPICOP[tiab])
6 ^d	instrumentation[sh] OR methods[sh] OR Validation Studies[pt] OR Comparative Study[pt] OR "psychometrics"[MeSH] OR psychometr*[tiab] OR clinimetr*[tw] OR clinometr*[tw] OR "outcome assessment (health care)"[MeSH] OR outcome assessment[tiab] OR outcome measure*[tw] OR "observer variation"[MeSH] OR observer variation[tiab] OR "Health Status Indicators"[Mesh] OR "reproducibility of results"[MeSH] OR reproducib*[tiab] OR "discriminant analysis"[MeSH] OR reliab*[tiab] OR unreliab*[tiab] OR valid*[tiab] OR coefficient[tiab] OR homogeneity[tiab] OR homogeneous[tiab] OR "internal consistency"[tiab] OR (cronbach*[tiab] AND (alpha[tiab] OR alphas[tiab])) OR (item[tiab] AND (correlation*[tiab] OR selection*[tiab] OR reduction*[tiab])) OR agreement[tiab] OR precision[tiab] OR imprecision[tiab] OR "precise values"[tiab] OR test-retest[tiab] OR (test[tiab] AND retest[tiab]) OR (reliab*[tiab] AND (test[tiab] OR retest[tiab])) OR stability[tiab] OR interrater[tiab] OR inter-rater[tiab] OR intrarater[tiab] OR intra-rater[tiab] OR intertester[tiab] OR inter-tester[tiab] OR intratester[tiab] OR intra-tester[tiab] OR interobserver[tiab] OR inter-observer[tiab] OR intraobserver[tiab] OR intraobserver[tiab] OR intertechnician[tiab] OR inter-technician[tiab] OR intratechnician[tiab] OR intra-technician[tiab] OR interexaminer[tiab] OR inter-examiner[tiab] OR intraexaminer[tiab] OR intra-examiner[tiab] OR interassay[tiab] OR inter-assay[tiab] OR intraassay[tiab] OR intra-assay[tiab] OR interindividual[tiab] OR inter-individual[tiab] OR intraindividual[tiab] OR intra-individual[tiab] OR interparticipant[tiab] OR inter-participant[tiab] OR intraparticipant[tiab] OR intra-participant[tiab] OR kappa[tiab] OR kappa's[tiab] OR kappas[tiab] OR repeatab*[tiab] OR ((replicab*[tiab] OR repeated[tiab]) AND (measure[tiab] OR measures[tiab] OR findings[tiab] OR result[tiab] OR results[tiab] OR test[tiab] OR tests[tiab])) OR generaliza*[tiab] OR generalisa*[tiab] OR concordance[tiab] OR (intraclass[tiab] AND correlation*[tiab])

	OR discriminative[tiab] OR "known group"[tiab] OR factor analysis[tiab] OR factor analyses[tiab] OR dimension*[tiab] OR subscale*[tiab] OR (multitrait[tiab] AND scaling[tiab] AND (analysis[tiab] OR analyses[tiab])) OR item discriminant[tiab] OR interscale correlation*[tiab] OR error[tiab] OR errors[tiab] OR "individual variability"[tiab] OR (variability[tiab] AND (analysis[tiab] OR values[tiab])) OR (uncertainty[tiab] AND (measurement[tiab] OR measuring[tiab])) OR "standard error of measurement"[tiab] OR sensitiv*[tiab] OR responsive*[tiab] OR ((minimal[tiab] OR minimally[tiab] OR clinical[tiab] OR clinically[tiab]) AND (important[tiab] OR significant[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR (small*[tiab] AND (real[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR meaningful change[tiab] OR "ceiling effect"[tiab] OR "floor effect"[tiab] OR "item response model"[tiab] OR IRT[tiab] OR Rasch[tiab] OR "differential item functioning"[tiab] OR DIF[tiab] OR "computer adaptive testing"[tiab] OR "item bank"[tiab] OR "cross-cultural equivalence"[tiab]
7	3 AND 4 AND 5 AND 6
8 ^e	NOT "addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development conference"[Publication Type] OR "consensus development conference,nih"[Publication Type] OR "practice guideline"[Publication Type]) NOT ("animals"[MeSH] NOT "humans"[MeSH])

MEDLINE: Patient Global (January 2017)

1	"Psoriasis"[MeSH] or Psoriasis[tiab] or Psoriasis[tiab] or Pustulosis of Palms and Soles[tiab] or Pustulosis Palmaris et Plantaris[tiab] or Palmoplantar Pustulosis[tiab]
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	or Pustular Psoriasis of Palms and Soles[tiab]
2	Infan* OR newborn* OR new-born* OR perinat* OR neonat* OR baby OR baby* OR babies OR toddler* OR minors OR minors* OR boy OR boys OR boyfriend OR boyhood OR girl* OR kid OR kids OR child OR child* OR children* OR schoolchild* OR schoolchild OR school child[tiab] OR school child*[tiab] OR adolescen* OR juvenil* OR youth* OR teen* OR under*age* OR pubescen* OR pediatrics[mh] OR pediatric* OR paediatric* OR peadiatric* OR school [tiab] OR school*[tiab] OR prematur* OR preterm*
3 ^a	#1 AND #2
4 ^b	patient global[tiab]
5 ^c	(Patient Global Assessment[tiab] OR PaGA[tiab] OR PGA[tiab])
6 ^d	instrumentation[sh] OR methods[sh] OR Validation Studies[pt] OR Comparative Study[pt] OR "psychometrics"[MeSH] OR psychometr*[tiab] OR clinimetr*[tw] OR clinometr*[tw] OR "outcome assessment (health care)"[MeSH] OR outcome assessment[tiab] OR outcome measure*[tw] OR "observer variation"[MeSH] OR observer variation[tiab] OR "Health Status Indicators"[Mesh] OR "reproducibility of results"[MeSH] OR reproducib*[tiab] OR "discriminant analysis"[MeSH] OR reliab*[tiab] OR unreliab*[tiab] OR valid*[tiab] OR coefficient[tiab] OR homogeneity[tiab] OR homogeneous[tiab] OR "internal consistency"[tiab] OR (cronbach*[tiab] AND (alpha[tiab] OR alphas[tiab])) OR (item[tiab] AND (correlation*[tiab] OR selection*[tiab] OR reduction*[tiab])) OR agreement[tiab] OR precision[tiab] OR imprecision[tiab] OR "precise values"[tiab] OR test-retest[tiab] OR (test[tiab] AND retest[tiab]) OR (reliab*[tiab] AND (test[tiab] OR retest[tiab])) OR stability[tiab] OR interrater[tiab] OR inter-rater[tiab] OR intrarater[tiab] OR intra-rater[tiab] OR intertester[tiab] OR inter-tester[tiab] OR intratester[tiab] OR intra-tester[tiab] OR interobserver[tiab] OR inter-observer[tiab] OR intraobserver[tiab] OR intraobserver[tiab] OR intertechnician[tiab] OR inter-technician[tiab] OR intratechnician[tiab] OR intra-technician[tiab] OR interexaminer[tiab] OR inter-examiner[tiab] OR intraexaminer[tiab] OR intra-examiner[tiab] OR interassay[tiab] OR inter-assay[tiab] OR intraassay[tiab] OR

	<p>intra-assay[tiab] OR interindividual[tiab] OR inter-individual[tiab] OR intraindividual[tiab] OR intra-individual[tiab] OR interparticipant[tiab] OR inter-participant[tiab] OR intraparticipant[tiab] OR intra-participant[tiab] OR kappa[tiab] OR kappa's[tiab] OR kappas[tiab] OR repeatab*[tiab] OR ((replicab*[tiab] OR repeated[tiab]) AND (measure[tiab] OR measures[tiab] OR findings[tiab] OR result[tiab] OR results[tiab] OR test[tiab] OR tests[tiab])) OR generaliza*[tiab] OR generalisa*[tiab] OR concordance[tiab] OR (intraclass[tiab] AND correlation*[tiab]) OR discriminative[tiab] OR "known group"[tiab] OR factor analysis[tiab] OR factor analyses[tiab] OR dimension*[tiab] OR subscale*[tiab] OR (multitrait[tiab] AND scaling[tiab] AND (analysis[tiab] OR analyses[tiab])) OR item discriminant[tiab] OR interscale correlation*[tiab] OR error[tiab] OR errors[tiab] OR "individual variability"[tiab] OR (variability[tiab] AND (analysis[tiab] OR values[tiab])) OR (uncertainty[tiab] AND (measurement[tiab] OR measuring[tiab])) OR "standard error of measurement"[tiab] OR sensitiv*[tiab] OR responsive*[tiab] OR ((minimal[tiab] OR minimally[tiab] OR clinical[tiab] OR clinically[tiab]) AND (important[tiab] OR significant[tiab] OR detectable[tiab])) AND (change[tiab] OR difference[tiab])) OR (small*[tiab] AND (real[tiab] OR detectable[tiab])) AND (change[tiab] OR difference[tiab])) OR meaningful change[tiab] OR "ceiling effect"[tiab] OR "floor effect"[tiab] OR "item response model"[tiab] OR IRT[tiab] OR Rasch[tiab] OR "differential item functioning"[tiab] OR DIF[tiab] OR "computer adaptive testing"[tiab] OR "item bank"[tiab] OR "cross-cultural equivalence"[tiab]</p>
7	<p>3 AND 4 AND 5 AND 6</p>
8 ^e	<p>NOT "addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development</p>

	conference"[Publication Type] OR "consensus development conference,nih"[Publication Type] OR "practice guideline"[Publication Type]) NOT ("animals"[MeSH] NOT "humans"[MeSH])
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MEDLINE: Psoriasis Symptoms (January 2017)	
1	"Psoriasis"[MeSH] or Psoriasis[tiab] or Psoriasis[tiab] or Pustulosis of Palms and Soles[tiab] or Pustulosis Palmaris et Plantaris[tiab] or Palmoplantaris Pustulosis[tiab] or Pustular Psoriasis of Palms and Soles[tiab]
2	Infan* OR newborn* OR new-born* OR perinat* OR neonat* OR baby OR baby* OR babies OR toddler* OR minors OR minors* OR boy OR boys OR boyfriend OR boyhood OR girl* OR kid OR kids OR child OR child* OR children* OR schoolchild* OR schoolchild OR school child[tiab] OR school child*[tiab] OR adolescen* OR juvenil* OR youth* OR teen* OR under*age* OR pubescen* OR pediatrics[mh] OR pediatric* OR paediatric* OR peadiatric* OR school [tiab] OR school*[tiab] OR prematur* OR preterm*
3 ^a	#1 AND #2
4 ^b	Symptoms[tiab] OR itch*[tiab] OR pruritus[tiab] OR pain[tiab] OR disformort[tiab]
5 ^c	(Pain Visual Analog Scale[tiab] OR Pain Visual Analogue Scale[tiab] OR Pain VAS[tiab]) OR (Itch Visual Analog Scale[tiab] OR Itch Visual Analogue Scale[tiab] OR Itch VAS[tiab] OR Pruritus Visual Analog Scale[tiab] OR Pruritus Visual Analogue Scale[tiab] OR Pruritus VAS[tiab])
6 ^d	instrumentation[sh] OR methods[sh] OR Validation Studies[pt] OR Comparative Study[pt] OR "psychometrics"[MeSH] OR psychometr*[tiab] OR clinimetr*[tw] OR clinometr*[tw] OR "outcome assessment (health care)"[MeSH] OR outcome assessment[tiab] OR outcome measure*[tw] OR "observer variation"[MeSH] OR observer variation[tiab] OR "Health Status Indicators"[Mesh] OR "reproducibility of results"[MeSH] OR reproducib*[tiab] OR "discriminant analysis"[MeSH] OR reliab*[tiab] OR unreliab*[tiab] OR valid*[tiab] OR coefficient[tiab] OR homogeneity[tiab] OR homogeneous[tiab] OR "internal consistency"[tiab] OR (cronbach*[tiab] AND (alpha[tiab] OR alphas[tiab])) OR (item[tiab] AND (correlation*[tiab] OR selection*[tiab] OR reduction*[tiab])) OR agreement[tiab] OR

	<p>precision[tiab] OR imprecision[tiab] OR "precise values"[tiab] OR test-retest[tiab] OR (test[tiab] AND retest[tiab]) OR (reliab*[tiab] AND (test[tiab] OR retest[tiab])) OR stability[tiab] OR interrater[tiab] OR inter-rater[tiab] OR intrarater[tiab] OR intra-rater[tiab] OR intertester[tiab] OR inter-tester[tiab] OR intratester[tiab] OR intra-tester[tiab] OR interobserver[tiab] OR inter-observer[tiab] OR intraobserver[tiab] OR intraobserver[tiab] OR intertechnician[tiab] OR inter-technician[tiab] OR intratechnician[tiab] OR intra-technician[tiab] OR interexaminer[tiab] OR inter-examiner[tiab] OR intraexaminer[tiab] OR intra-examiner[tiab] OR interassay[tiab] OR inter-assay[tiab] OR intraassay[tiab] OR intra-assay[tiab] OR interindividual[tiab] OR inter-individual[tiab] OR intraindividual[tiab] OR intra-individual[tiab] OR interparticipant[tiab] OR inter-participant[tiab] OR intraparticipant[tiab] OR intra-participant[tiab] OR kappa[tiab] OR kappa's[tiab] OR kappas[tiab] OR repeatab*[tiab] OR ((replicab*[tiab] OR repeated[tiab]) AND (measure[tiab] OR measures[tiab] OR findings[tiab] OR result[tiab] OR results[tiab] OR test[tiab] OR tests[tiab])) OR generaliza*[tiab] OR generalisa*[tiab] OR concordance[tiab] OR (intraclass[tiab] AND correlation*[tiab]) OR discriminative[tiab] OR "known group"[tiab] OR factor analysis[tiab] OR factor analyses[tiab] OR dimension*[tiab] OR subscale*[tiab] OR (multitrait[tiab] AND scaling[tiab] AND (analysis[tiab] OR analyses[tiab])) OR item discriminant[tiab] OR interscale correlation*[tiab] OR error[tiab] OR errors[tiab] OR "individual variability"[tiab] OR (variability[tiab] AND (analysis[tiab] OR values[tiab])) OR (uncertainty[tiab] AND (measurement[tiab] OR measuring[tiab])) OR "standard error of measurement"[tiab] OR sensitiv*[tiab] OR responsive*[tiab] OR ((minimal[tiab] OR minimally[tiab] OR clinical[tiab] OR clinically[tiab]) AND (important[tiab] OR significant[tiab] OR detectable[tiab])) AND (change[tiab] OR difference[tiab])) OR (small*[tiab] AND (real[tiab] OR detectable[tiab])) AND (change[tiab] OR difference[tiab])) OR meaningful change[tiab] OR "ceiling effect"[tiab] OR "floor effect"[tiab] OR "item response model"[tiab] OR IRT[tiab] OR Rasch[tiab] OR "differential item functioning"[tiab] OR DIF[tiab] OR "computer adaptive testing"[tiab] OR "item bank"[tiab] OR "cross-cultural equivalence"[tiab]</p>
7	3 AND 4 AND 5 AND 6

8 ^e	<p>NOT "addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development conference"[Publication Type] OR "consensus development conference,nih"[Publication Type] OR "practice guideline"[Publication Type]) NOT ("animals"[MeSH] NOT "humans"[MeSH])</p>
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MEDLINE: Psoriasis Signs (January 2017)	
1	<p>"Psoriasis"[MeSH] or Psoriasis[tiab] or Psoriasis[tiab] or Pustulosis of Palms and Soles[tiab] or Pustulosis Palmaris et Plantaris[tiab] or Palmoplantar Pustulosis[tiab] or Pustular Psoriasis of Palms and Soles[tiab]</p>
2	<p>Infan* OR newborn* OR new-born* OR perinat* OR neonat* OR baby OR baby* OR babies OR toddler* OR minors OR minors* OR boy OR boys OR boyfriend OR boyhood OR girl* OR kid OR kids OR child OR child* OR children* OR schoolchild* OR schoolchild OR school child[tiab] OR school child*[tiab] OR adolescen* OR juvenil* OR youth* OR teen* OR under*age* OR pubescen* OR pediatrics[mh] OR pediatric* OR paediatric* OR peadiatric* OR school [tiab] OR school*[tiab] OR prematur* OR preterm*</p>
3 ^a	<p>#1 AND #2</p>
4 ^b	<p>signs[tiab] OR erythema[tiab] OR redness[tiab] OR scale[tiab] OR scaling[tiab] OR infiltration[tiab] OR induration[tiab]</p>
5 ^c	<p>(Psoriasis Scalp Severity Index[tiab] OR PSSI[tiab]) OR (Self-Assess* Simplified Psoriasis Index[tiab] OR Self Assess* Simplified Psoriasis Index[tiab] OR Simplified Psoriasis Index Self Assess* Version[tiab] OR Simplified Psoriasis Index Self-Assess* Version[tiab] OR Self-assess* SPI[tiab] OR Self assess* SPI [tiab] OR</p>

	saSPI[tiab] OR SPIsa[tiab])
6 ^d	<p>instrumentation[sh] OR methods[sh] OR Validation Studies[pt] OR Comparative Study[pt] OR "psychometrics"[MeSH] OR psychometr*[tiab] OR clinimetr*[tw] OR clinometr*[tw] OR "outcome assessment (health care)"[MeSH] OR outcome assessment[tiab] OR outcome measure*[tw] OR "observer variation"[MeSH] OR observer variation[tiab] OR "Health Status Indicators"[Mesh] OR "reproducibility of results"[MeSH] OR reproducib*[tiab] OR "discriminant analysis"[MeSH] OR reliab*[tiab] OR unreliab*[tiab] OR valid*[tiab] OR coefficient[tiab] OR homogeneity[tiab] OR homogeneous[tiab] OR "internal consistency"[tiab] OR (cronbach*[tiab] AND (alpha[tiab] OR alphas[tiab])) OR (item[tiab] AND (correlation*[tiab] OR selection*[tiab] OR reduction*[tiab])) OR agreement[tiab] OR precision[tiab] OR imprecision[tiab] OR "precise values"[tiab] OR test-retest[tiab] OR (test[tiab] AND retest[tiab]) OR (reliab*[tiab] AND (test[tiab] OR retest[tiab])) OR stability[tiab] OR interrater[tiab] OR inter-rater[tiab] OR intrarater[tiab] OR intra-rater[tiab] OR intertester[tiab] OR inter-tester[tiab] OR intratester[tiab] OR intra-tester[tiab] OR interobserver[tiab] OR inter-observer[tiab] OR intraobserver[tiab] OR intraobserver[tiab] OR intertechnician[tiab] OR inter-technician[tiab] OR intratechnician[tiab] OR intra-technician[tiab] OR interexaminer[tiab] OR inter-examiner[tiab] OR intraexaminer[tiab] OR intra-examiner[tiab] OR interassay[tiab] OR inter-assay[tiab] OR intraassay[tiab] OR intra-assay[tiab] OR interindividual[tiab] OR inter-individual[tiab] OR intraindividual[tiab] OR intra-individual[tiab] OR interparticipant[tiab] OR inter-participant[tiab] OR intraparticipant[tiab] OR intra-participant[tiab] OR kappa[tiab] OR kappa's[tiab] OR kappas[tiab] OR repeatab*[tiab] OR ((replicab*[tiab] OR repeated[tiab]) AND (measure[tiab] OR measures[tiab] OR findings[tiab] OR result[tiab] OR results[tiab] OR test[tiab] OR tests[tiab])) OR generaliza*[tiab] OR generalisa*[tiab] OR concordance[tiab] OR (intraclass[tiab] AND correlation*[tiab]) OR discriminative[tiab] OR "known group"[tiab] OR factor analysis[tiab] OR factor analyses[tiab] OR dimension*[tiab] OR subscale*[tiab] OR (multitrait[tiab] AND scaling[tiab] AND (analysis[tiab] OR analyses[tiab])) OR item discriminant[tiab] OR interscale correlation*[tiab] OR error[tiab] OR errors[tiab] OR "individual</p>

	<p>variability"[tiab] OR (variability[tiab] AND (analysis[tiab] OR values[tiab])) OR (uncertainty[tiab] AND (measurement[tiab] OR measuring[tiab])) OR "standard error of measurement"[tiab] OR sensitiv*[tiab] OR responsive*[tiab] OR ((minimal[tiab] OR minimally[tiab] OR clinical[tiab] OR clinically[tiab]) AND (important[tiab] OR significant[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR (small*[tiab] AND (real[tiab] OR detectable[tiab]) AND (change[tiab] OR difference[tiab])) OR meaningful change[tiab] OR "ceiling effect"[tiab] OR "floor effect"[tiab] OR "item response model"[tiab] OR IRT[tiab] OR Rasch[tiab] OR "differential item functioning"[tiab] OR DIF[tiab] OR "computer adaptive testing"[tiab] OR "item bank"[tiab] OR "cross-cultural equivalence"[tiab]</p>
7	3 AND 4 AND 5 AND 6
8 ^e	<p>NOT "addresses"[Publication Type] OR "biography"[Publication Type] OR "case reports"[Publication Type] OR "comment"[Publication Type] OR "directory"[Publication Type] OR "editorial"[Publication Type] OR "festschrift"[Publication Type] OR "interview"[Publication Type] OR "lectures"[Publication Type] OR "legal cases"[Publication Type] OR "legislation"[Publication Type] OR "letter"[Publication Type] OR "news"[Publication Type] OR "newspaper article"[Publication Type] OR "patient education handout"[Publication Type] OR "popular works"[Publication Type] OR "congresses"[Publication Type] OR "consensus development conference"[Publication Type] OR "consensus development conference,nih"[Publication Type] OR "practice guideline"[Publication Type]) NOT ("animals"[MeSH] NOT "humans"[MeSH])</p>

(B) EMBASE search strategies

Reviewers generated key terms for retrieved instruments from stage 1 and adapted these terms for EMBASE. The resulting instrument terms^b were combined with search terms for pediatric psoriasis^a and a search filter^c used by Egerton et al. [2] to identify studies on measurement properties. Searches were performed simultaneously for all IDEOM core domains.

EMBASE (January 2017)	
1	'psoriasis'/exp OR 'psoriasis':ab,ti OR 'erythrodermic psoriasis':ab,ti OR 'guttate psoriasis':ab,ti OR 'psoriasis guttata':ab,ti OR 'nail psoriasis':ab,ti OR 'nummular psoriasis':ab,ti OR 'palmoplantar psoriasis':ab,ti OR 'psoriasis pustulosa':ab,ti OR 'pustular psoriasis':ab,ti OR 'pustulosis palmoplantaris':ab,ti OR 'pustulous psoriasis':ab,ti OR 'psoriasis vulgaris':ab,ti OR 'psoriasis, palmoplantar':ab,ti OR 'scalp psoriasis':ab,ti
2	Infan* OR newborn* OR new-born* OR perinat* OR neonat* OR 'baby' OR baby* OR 'babies' OR toddler* OR 'minors' OR minors* OR 'boy' OR 'boys' OR 'boyfriend' OR 'boyhood' OR girl* OR 'kid' OR 'kids' OR 'child' OR child* OR children* OR schoolchild* OR 'schoolchild' OR 'school child':ab,ti OR school child*:ab,ti OR adolescen* OR juvenil* OR youth* OR teen* OR under*age* OR pubescen* OR 'pediatrics'/exp OR pediatric* OR paediatric* OR peadiatric* OR 'school':ab,ti OR school*:ab,ti OR prematur* OR preterm
3 ^a	1 AND 2
4 ^b	('children scalpdx in psoriasis':ab,ti OR 'childrens scalpdx in psoriasis':ab,ti OR 'child scalpdx in psoriasis':ab,ti OR 'childs scalpdx in psoriasis':ab,ti OR 'csp':ab,ti) OR ('psoriasis stress life inventory':ab,ti OR 'psi':ab,ti) OR ('psoriasis disability index':ab,ti OR 'pdi':ab,ti) OR ('patient global assessment':ab,ti OR 'paga':ab,ti OR 'pga':ab,ti) OR ('pain visual analog scale':ab,ti OR 'pain visual analogue scale':ab,ti OR 'pain vas':ab,ti) OR ('itch visual analog scale':ab,ti OR 'itch visual analogue scale':ab,ti OR 'itch vas':ab,ti OR 'pruritus visual analog scale':ab,ti OR 'pruritus visual analogue scale':ab,ti OR 'pruritus vas':ab,ti) OR

(‘psoriasis scalp severity index’:ab,ti OR ‘pssi’:ab,ti) OR (‘self-assessment simplified psoriasis index’:ab,ti OR ‘self assessment simplified psoriasis index’:ab,ti OR ‘simplified psoriasis index self-assessment’:ab,ti OR ‘simplified psoriasis index self assessment’:ab,ti OR ‘self-assessment spi’:ab,ti OR ‘self assessment spi’:ab,ti OR ‘saspi’:ab,ti) OR (‘topical corticophobia’:ab,ti OR ‘topicop’:ab,ti) OR (‘children dermatology life quality index’:ab,ti OR ‘childrens dermatology life quality index’:ab,ti OR ‘child dermatology life quality index’:ab,ti OR ‘cdlqi’:ab,ti) OR (‘infant dermatology life quality index’:ab,ti OR ‘infants dermatology life quality index’:ab,ti OR ‘idlqi’:ab,ti) OR (‘dermatology life quality index’:ab,ti OR ‘dlqi’:ab,ti) OR (‘dermatitis family impact’:ab,ti OR ‘dfi’:ab,ti) OR (‘skindex-teen’:ab,ti OR ‘skindex teen’:ab,ti) OR (‘pediatric quality of life inventory’:ab,ti OR ‘pedsqil’:ab,ti OR ‘pedsqil-c’:ab,ti OR ‘pedsqil-p’:ab,ti OR ‘pedsqil 4.0’:ab,ti) OR (‘german health-related quality of life in children-revised’:ab,ti OR ‘german health related quality of life in children-revised’:ab,ti OR ‘german hrqol in children-revised’:ab,ti OR ‘german health-related quality of life in children revised’:ab,ti OR ‘german health related quality of life in children revised’:ab,ti OR ‘german hrqol in children revised’:ab,ti OR ‘kindl-r’:ab,ti OR ‘kindlr’:ab,ti OR ‘kindl’:ab,ti) OR (‘quality of life scale for children’:ab,ti OR ‘qol scale for children’:ab,ti OR ‘autoquestionnaire qualté de vie enfant imagé’:ab,ti OR ‘auqei’:ab,ti) OR (‘sf-36’:ab,ti OR ‘sf36’:ab,ti OR ‘sf 36’:ab,ti OR ‘short form-36’:ab,ti OR ‘short form 36’:ab,ti OR ‘short-form 36’:ab,ti OR ‘36-item short survey’:ab,ti OR ‘36-item short health survey’:ab,ti OR ‘mos 36-item short survey’:ab,ti OR ‘mos 36-item short health survey’:ab,ti OR ‘medical outcomes study short form 36 health survey’:ab,ti OR ‘rand 36-item health survey’:ab,ti OR ‘rand 36-item short form health survey’:ab,ti OR ‘rand-36’:ab,ti) OR (‘state-trait anxiety inventory for children’:ab,ti OR ‘state trait anxiety inventory for children’:ab,ti OR ‘staic’:ab,ti OR ‘stai-c’:ab,ti OR ‘stai c’:ab,ti) OR (‘children depression inventory’:ab,ti OR ‘childrens depression inventory’:ab,ti OR ‘child depression inventory’:ab,ti OR ‘childs depression inventory’:ab,ti) OR (‘beck depression index’:ab,ti OR ‘bdi’:ab,ti) OR (‘traumatic antecedents questionnaire’:ab,ti OR ‘taq’:ab,ti) OR (‘self-perception profile’:ab,ti OR ‘self

	<p>perception profile':ab,ti OR 'sppc':ab,ti OR 'sppa':ab,ti) OR ('strengths and difficulties questionnaire':ab,ti OR 'sdq':ab,ti) OR ('swedish universities scales of personality':ab,ti OR 'ssp':ab,ti) OR ('edward personal preference schedule':ab,ti OR 'edwards personal preference schedule':ab,ti OR 'epps':ab,ti) OR ('impact on family':ab,ti OR 'iof':ab,ti) OR ('holmes-rahe life stress inventory':ab,ti OR 'holmes rahe life stress inventory':ab,ti OR 'holmes-rahe social readjustment rating scale':ab,ti OR 'holmes rahe social readjustment rating scale':ab,ti OR 'social readjustment rating scale':ab,ti OR 'srrs':ab,ti)</p>
5 ^c	<p>'intermethod comparison'/exp OR 'data collection method'/exp OR 'validation study'/exp OR 'feasibility study'/exp OR 'pilot study'/exp OR 'psychometry'/exp OR 'reproducibility'/exp OR reproducib*:ab,ti OR 'audit':ab,ti OR psychometr*:ab,ti OR clinimetr*:ab,ti OR clinometr*:ab,ti OR 'observer variation'/exp OR 'observer variation':ab,ti OR 'discriminant analysis'/exp OR 'validity'/exp OR reliab*:ab,ti OR valid*:ab,ti OR 'coefficient':ab,ti OR 'internal consistency':ab,ti OR (cronbach*:ab,ti AND ('alpha':ab,ti OR 'alphas':ab,ti)) OR 'item correlation':ab,ti OR 'item correlations':ab,ti OR 'item selection':ab,ti OR 'item selections':ab,ti OR 'item reduction':ab,ti OR 'item reductions':ab,ti OR 'agreement':ab,ti OR 'precision':ab,ti OR 'imprecision':ab,ti OR 'precise values':ab,ti OR 'test-retest':ab,ti OR ('test':ab,ti AND 'retest':ab,ti) OR (reliab*:ab,ti AND ('test':ab,ti OR 'retest':ab,ti)) OR 'stability':ab,ti OR 'interrater':ab,ti OR 'inter-rater':ab,ti OR 'intrarater':ab,ti OR 'intra-rater':ab,ti OR 'intertester':ab,ti OR 'inter-tester':ab,ti OR 'intratester':ab,ti OR 'intra-tester':ab,ti OR 'interobserver':ab,ti OR 'inter-observer':ab,ti OR 'intraobserver':ab,ti OR 'intra-observer':ab,ti OR 'intertechician':ab,ti OR 'intratechician':ab,ti OR 'intra-technician':ab,ti OR 'interexaminer':ab,ti OR 'inter-examiner':ab,ti OR 'intraexaminer':ab,ti OR 'interassay':ab,ti OR 'inter-assay':ab,ti OR 'intraassay':ab,ti OR 'intra-assay':ab,ti OR 'interindividual':ab,ti OR 'inter-individual':ab,ti OR 'intraindividual':ab,ti OR 'intra-individual':ab,ti OR 'interparticipant':ab,ti OR 'inter-participant':ab,ti OR 'intraparticipant':ab,ti OR 'intra-participant':ab,ti OR 'kappa':ab,ti OR 'kappas':ab,ti OR 'coefficient of variation':ab,ti OR repeatab*:ab,ti OR ((replicab*:ab,ti OR 'repeated':ab,ti) AND ('measure':ab,ti OR 'measures':ab,ti</p>

	<p>OR 'findings':ab,ti OR 'result':ab,ti OR 'results':ab,ti OR 'test':ab,ti OR 'tests':ab,ti)) OR generaliza*:ab,ti OR generalisa*:ab,ti OR 'concordance':ab,ti OR ('intraclass':ab,ti AND correlation*:ab,ti) OR 'discriminative':ab,ti OR 'known group':ab,ti OR 'factor analysis':ab,ti OR 'factor analyses':ab,ti OR 'factor structure':ab,ti OR 'factor structures':ab,ti OR 'dimensionality':ab,ti OR subscale*:ab,ti OR 'multitrait scaling analysis':ab,ti OR 'multitrait scaling analyses':ab,ti OR 'item discriminant':ab,ti OR 'interscale correlation':ab,ti OR 'interscale correlations':ab,ti OR (('error':ab,ti OR 'errors':ab,ti) AND (measure*:ab,ti OR correlat*:ab,ti OR evaluat*:ab,ti OR 'accuracy':ab,ti OR 'accurate':ab,ti OR 'precision':ab,ti OR 'mean':ab,ti)) OR 'individual variability':ab,ti OR 'interval variability':ab,ti OR 'rate variability':ab,ti OR 'variability analysis':ab,ti OR ('uncertainty':ab,ti AND ('measurement':ab,ti OR 'measuring':ab,ti)) OR 'standard error of measurement':ab,ti OR sensitiv*:ab,ti OR responsive*:ab,ti OR ('limit':ab,ti AND 'detection':ab,ti) OR 'minimal detectable concentration':ab,ti OR interpretab*:ab,ti OR (small*:ab,ti AND ('real':ab,ti OR 'detectable':ab,ti) AND ('change':ab,ti OR 'difference':ab,ti)) OR 'meaningful change':ab,ti OR 'minimal important change':ab,ti OR 'minimal important difference':ab,ti OR 'minimally important change':ab,ti OR 'minimally important difference':ab,ti OR 'minimal detectable change':ab,ti OR 'minimal detectable difference':ab,ti OR 'minimally detectable change':ab,ti OR 'minimally detectable difference':ab,ti OR 'minimal real change':ab,ti OR 'minimal real difference':ab,ti OR 'minimally real change':ab,ti OR 'minimally real difference':ab,ti OR 'ceiling effect':ab,ti OR 'floor effect':ab,ti OR 'item response model':ab,ti OR 'irt':ab,ti OR 'rasch':ab,ti OR 'differential item functioning':ab,ti OR 'dif':ab,ti OR 'computer adaptive testing':ab,ti OR 'item bank':ab,ti OR 'cross-cultural equivalence':ab,ti</p>
6	3 AND 4 AND 5

References

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