



International Research Institute of Stavanger

www.iris.no

Ellingsen KL, Aas RW, Hellem I, Lønning I

Internasjonal litteratur om ICF fra 2008

EN KUNNSKAPSOPPSUMMERING

Rapport IRIS - 2008/271

Prosjektnummer: 7202071
Prosjektets tittel: Implementering av ICF i universiteter og høyskoler
Oppdragsgiver(e): Helsedirektoratet
ISBN: 978-82-490-0615-1
Gradering: Åpen

Stavanger, 12.01.2009



Randi Wågø Aas
Prosjektleder

12.01.09

Sign.dato



Gottfried Heinzerling
Forskningsdirektør
Samfunns- og næringsutvikling

12/01/09

Sign.dato

Forord

IRIS har på oppdrag fra Helsedirektoratet utviklet en kunnskapsoppsummering om internasjonal litteratur der WHO's Internasjonale klassifisering av funksjon, funksjonshemming og helse inngår. Rapporten er utviklet som et ledd i Helsedirektoratets implementering av ICF i Norge. Målgrupper for rapporten er alle som ønsker å sette seg inn i den internasjonale anvendelsen av ICF innen klinikk, forskning og utdanning

ICF ble utgitt som en testversjon av WHO i 1980 med navnet International Classification of Impairments, Disability and Handicap. I 2001 ble den første versjonen gitt ut av WHO. ICF bidrar til en ny definisjon av helse og funksjon, og kan derved få stor betydning for helse- og sosialpersonells forståelse av de problemstillinger borgerne har. Dette kan også endre tjenestene på sikt, blant annet gjennom mer fokus på aktivitet, deltagelse og miljø.

IRIS har samarbeidet med Diakonhjemmet høyskole Rogaland om oppdraget. Denne rapporten er utviklet av høyskolelektor Kjersti Lunde Ellingsen, høyskolelektor Inger Hellem, begge Diakonhjemmet høyskole og seniorforsker Randi Wågø Aas, IRIS.

For publiseringsåret 2008 fant vi 173 ulike artikler, fra i alt 23 land der alle fem verdensdeler var representert. Rapporten viser et stort spekter av anvendelsesområder ICF har fått internasjonalt.

Vi håper du vil ha nytte av rapporten.

Stavanger, 12. januar 2009

Sign.

Randi Wågø Aas
prosjektleder

Innhold

1	INNLEDNING	7
2	MÅL	8
3	MATERIALE OG METODE	8
3.1	Design	8
3.2	Datainnsamling	8
3.3	Materiale	10
3.4	Analyse	10
4	RESULTATER	10
4.1	Kvantitative resultater	10
4.2	Kvalitative resultater	12
4.2.1	Litteratur der ICF blir brukt for å utvikle terapeutiske metoder og praksismodeller	13
4.2.2	Litteratur der ICF er brukt for å sette fokus på aktivitet og deltagelse	14
4.2.3	Litteratur som viser bruken av ICF innen medisinsk tverrfaglig rehabilitering	14
4.2.4	Litteratur der brukers behov, problemer, mål og intervensjoner er linket til ICF	14
4.2.5	Litteratur der ICF brukes til å beskrive helse og funksjon	15
4.2.6	Litteratur der instrumenter linkes til ICF	17
4.2.7	Litteratur der ICF kjernesett videreutvikles og utprøves	18
4.2.8	Litteratur der ICF instrumenter blir anvendt i praksis	19
4.2.9	Litteratur der ICF blir brukt for å diskutere konseptuelle spørsmål ved instrumentutvikling	19
4.2.10	Litteratur der ICF blir brukt som grunnlag for effektmål	20
4.2.11	Litteratur der ICF blir brukt for å beskrive kontekstuelle faktorer	20
5	DISKUSJON	22
5.1	Tematisk diskusjon	22
5.2	Metodiske begrensninger	23

1 Innledning

Verdens helseorganisasjon (WHO) har siden 1970-tallet arbeidet med å utvikle et begrepsapparat for å beskrive funksjonsevne. International Classification of Impairments, Disabilities and Handicaps (ICIDH) ble utgitt som en testversjon i 1980. Med bakgrunn i en omfattende revisjonsprosess på 90-tallet vedtok WHO's helseforsamlings 54. møte i mai 2001 følgende resolusjon: *"WHO godkjenner andre utgave av International Classification of Impairment, Disability and Handicap (ICIDH), med tittelen International Classification of Functioning, Disability and Health, heretter omtalt som akronymet ICF. WHO oppfordrer medlemsstater å bruke ICF i sin forskning, overvåkning og rapportering på passende måte, under iakttagelse av spesielle forhold i medlemsstater og i særdeleshet i forhold til fremtidige revisjoner. WHO henstiller til generaldirektøren å yte støtte til medlemslandene på oppfordring fra dem, for å ta i bruk ICF."* (Resolusjon WHA54.21). Den Internasjonale Klassifikasjon av Funksjon, Funksjonshemming og Helse (ICF), utgjør sammen med sykdomsklassifikasjonen ICD-10¹ de to hovedklassifikasjonene fra Verdens helseorganisasjon. ICF slik den nå foreligger, ble utgitt av WHO i 2001, og lansert på norsk i 2004. Helsedirektoratet har fått det forvaltningsmessige ansvar for implementering av ICF i Norge.

ICF er basert på en systemteorisk forståelse, og det som betegnes som en biopsykososial tilnærming². Denne biopsykososiale forståelsen har sitt utspring fra både en medisinsk- og en sosial modell. ICF bygger på en integrering av disse to modellene. Den medisinske modellen viser funksjonshemming forårsaket av sykdom, traume eller andre helsetilstander som et problem for personen (ibid). På den andre siden anvendes den sosiale modellen hvor en ser funksjonshemming i hovedsak som et sosialt skapt problem, som handler mest om integrering av individer i samfunnet. ICF forsøker å oppnå en syntese av ulike perspektiver på helse ut fra henholdsvis biologiske, individorienterte og samfunnmessige perspektiver (ibid).

ICF er et klassifikasjonssystem bygget opp på en teoretisk begrepsmodell. En av hensiktene er å tilby ulike aktører en felles referanseramme som skal gi grunnlag for å beskrive og forstå helse og helserelaterte tilstander, og en mer flerdimensjonal forståelse av funksjon og funksjonshemming. Den har også til mål å skape et felles begrepsapparat, og beskriver helsekomponenter relatert til kroppsfunksjoner og – strukturer, aktivitet og deltakelse, samt miljømessige og personlige faktorer³. Disse helsekomponentene blir gjensidig påvirket i forhold til hverandre. Ut fra denne forståelsesmodellen ser en personers funksjonsevne i samspill med omgivelsene som bestemmende for deltakelse i arbeidsliv, sosiale aktiviteter og mestring av daglige gjøremål. Miljøfaktorene blir her beskrevet som de fysiske, sosiale og holdningsmessige omgivelser hvor en person eksisterer og utfolder sitt liv. Ved bruk av ICF kan negative aspekt (disability) og til en viss utstrekning positive aspekt (function) klassifiseres. Det er kun miljøfaktorer (e) som kodes med positive modifikatorer. Selve klassifikasjonen inndeles i flere nivåer, hvor første nivå omhandler kapitteleverskrifter med 34 koder. Andre nivå omfatter i tillegg til kapitlene også første gren-nivået med 362 koder. Tredje

nivå omfatter i tillegg en detaljert klassifisering med til sammen 1424 koder, der hvert emneområde har definisjoner, inklusjons- og eksklusjonskriterer (ibid).

Formålet med ICF er å 1) Sørge for en vitenskapelig basis for forståelse og mulighet for å studere helse, helsestatus og resultater, 2) Etablere et felles språk for å bedre kommunikasjon mellom fagpersoner, 3) Tillate sammenligning av data mellom land, disipliner, tjenester og tid og 4) Sørge for et systematisk kodeskjema for helseinformasjonssystemer. International Classification of Impairments, Disabilities and Handicaps (ICIDH) har fra 1980 tallet blitt anvendt som verktøy for statistiske beregninger og forskningsarbeid, samt verktøy for klinisk og sosialpolitisk arbeid og utdanning³. I tillegg til disse bruksområdene tilbyr ICF et begrepsapparat knyttet til personlig helse, inklusiv egenomsorg forbebyggende helsearbeid. Det kan også understøtte funksjonshemmedes deltakelse ved å redusere eller fjerne samfunnsmessige hindre, eller gjennom å stimulere til oppbygning av sosiale støtte- og hjelpeordninger (ibid).

Det foreligger lite kunnskap om hvordan ICF anvendes innenfor de aktuelle bruksområdene. En måte å få vite mer om ICFs bruksområder innen praksis og forskning er gjennom tilgjengelig litteratur. Ved å se nærmere på ICF sin rolle i vitenskapelige publikasjoner kan man utvikle ny kunnskap om aktuelle bruksområder for ICF. Målet med denne studien var derfor å identifisere og presentere ICF litteratur som er gitt ut i publiseringsåret 2008.

2 Mål

Målet med denne studien var å identifisere og presentere ICF litteraturen som er gitt ut i 2008, der ICF benyttes, omtales eller på en eller annen måte inngår i publikasjonen.

3 Materiale og metode

3.1 Design

Denne studien var designet som en rent deskriptiv systematisk litteraturoppsummering. Metoder var tilpasset ut fra Cochrane Handbook for Systematic Reviews⁴.

3.2 Datainnsamling

Det ble foretatt et litteratursøk i følgende databaser: Medline, Psycinfo, Cinahl og PreCinahl. Søket ble gjennomført i november 2008.

Søkestrategien besto av 60 søk inkludert kombinasjonssøk. Alle søkeordene ble begrenset til å gjelde for artikler som var "peer reviewed", eller fagfellevurdert. Søkeordene fra S1-4 omhandlet testversjonen ICIDH fra 1980, mens søkeordene S5-8 omhandlet ICF, versjon 1 fra 2001. Da ICF benyttes som akronym for flere andre begreper, måtte det utføres et grundig gjennomgang for å identifisere disse. Det ble

funnet 19 andre betydninger av ICF. Søkeordene fra S12 til S57 omhandlet disse søkeordene. Til slutt ble hele søket avgrenset til å kun gjelde publiseringsåret 2008.

Disse søkeordene ble benyttet:

Tabell 1: Søkeord benyttet i studien

<i>S1</i>	<i>TI ICIDH</i>
S2	AB ICIDH
S3	TI (International Classification of Impairments, Disability and Handicap)
S4	AB (International Classification of Impairments, Disability and Handicap)
S5	TI ICF
S6	AB ICF
S7	TI (International Classification of Functioning, Disability and Health)
S8	AB (International Classification of Functioning, Disability and Health)
S9	S8 or S7 or S6 or S5
S10	S4 or S3 or S2 or S1
S11	S10 or S9
S12	TI (immunodeficiency centromeric instability facial anomalies syndrome)
S13	AB (immunodeficiency centromeric instability facial anomalies syndrome)
S14	TI (immunodeficiency centromeric instability of chromosomes)
S15	AB (immunodeficiency centromeric instability of chromosomes)
S16	TI (immunodeficiency chromosome fragility, facial anomaly syndrome)
S17	AB (immunodeficiency chromosome fragility, facial anomaly syndrome)
S18	TI (immunodeficiency, centromeric hetero instability and facial abnormalities syndrome)
S19	AB (immunodeficiency, centromeric hetero instability and facial abnormalities syndrome)
S20	TI (ICF syndrome)
S21	AB (ICF syndrome)
S22	TI (incremental cash flow)
S23	AB (incremental cash flow)
S24	TI (inhibition of colony formation)
S25	AB (inhibition of colony formation)
S26	TI (intensity correlation function)
S27	AB (intensity correlation function)
S28	TI (intermediate care facility)
S29	AB (intermediate care facility)
S30	TI (intermittent compressive force)
S31	AB (intermittent compressive force)
S32	TI (interstitial collagen fraction)
S33	AB (interstitial collagen fraction)
S34	TI (intracellular flow cytometry)
S35	AB (intracellular flow cytometry)
S36	TI (intracellular fluid)
S37	AB (intracellular fluid)
S38	TI (intracortical facilitation)
S39	AB (intracortical facilitation)
S40	TI (intra-cortical facilitation)
S41	AB (intra-cortical facilitation)
S42	TI (intro cortical facilitation)
S43	AB (intro cortical facilitation)
S44	TI (intra cortical facilitation)
S45	AB (intra cortical facilitation)
S46	TI (intro-cortical facilitation)
S47	AB (intro-cortical facilitation)
S48	TI (intrapersonal case formulation)
S49	AB (intrapersonal case formulation)
S50	TI (intravascular coagulation and fibrinolysis)
S51	AB (intravascular coagulation and fibrinolysis)
S52	TI (intravascular coagulation factors)
S53	AB (intravascular coagulation factors)
S54	TI (invariant chain fragment)
S55	AB (invariant chain fragment)
S56	TI (irreversible cardiac failure)
S57	AB (irreversible cardiac failure)
S58	/OR S12-S57
S59	S11 NOT S58
S60	Limit: year 2008

Note: TI- søker i tittel, AB- søker i abstrakt

3.3 Materiale

Vi fant til sammen 183 artikler ved hjelp av denne søkestrategien. Ytterligere 10 artikler ble i etterkant ekskludert på grunn av at ICF sto for noe annet enn WHO's ICF. Disse ble funnet ved den manuelle gjennomgangen og analysen av abstraktene. Derved utgjorde materialet i denne oppsummeringen 173 abstrakter.

Noen av abstraktene besto kun av tittel, journal og forfatteropplysninger (n=22), og der måtte vi gjøre analysen basert på den begrensede informasjonen som var gitt.

3.4 Analyse

Analysen ble gjennomført på abstraktnivå, ved hjelp av et egenutviklet skjema som ble brukt for å trekke ut følgende informasjon fra abstraktet:

- Navn
- Språk
- Land
- Type publikasjon
- Spesialitet
- Diagnose

Statistikkprogrammet SPSS ble benyttet til den kvantitative analysen, der frekvensanalyser ble utført. Det ble i tillegg foretatt et strategisk utvalg av abstrakter (n=31), for å illustrere kvalitativt hva artiklene handlet om og hvilken rolle ICF hadde i dette utvalget av artikler. Det ble fortrinnsvis valgt ut artikler som var empiriske og som syntes interessante å formidle videre.

4 Resultater

Denne kunnskapsoppsummeringen har to typer resultater; resultatene der alle studiene inngår i en kvantitativ analyse, og dernest den kvalitative analysen, der et utvalg (n=31) av studiene beskrives ut fra abstraktets innhold. Disse vil bli presentert i henholdsvis kapittel 4.1 og 4.2.

4.1 Kvantitative resultater

I alt ble 173 artikler identifisert fra publiseringsåret 2008.

Tabell 2 viser hvilke språk artiklene var publisert på. Tabellen viser at nesten alle (90 prosent) var engelskspråklige, mens tysk, fransk og dansk også var representert med et mindre antall artikler.

Tabell 2: Språk brukt i artiklene

Language	N	Percent
English	156	90,2
German	8	4,6
French	4	2,3
Danish	2	1,2
Total	170	98,3
System missing	3	1,7
Total	173	100

Note: For tre studier mangler abstraktet informasjon om språk

Tabell 3 viser hvilke land artiklene kom fra. I alt var det artikler fra 23 land, fra alle 5 verdensdeler. USA, Tyskland, Canada og England dominerer, og står til sammen alene for cirka halvparten av alle artiklene der det har vært mulig å identifisere tilhørighet til land. Norge er på en åttendeplass med 6 artikler i 2008, og er derved det landet som har flest artikler fra Norden. De ti landene med flest artikler representerer fire verdensdeler; Europa (n=6), Amerika (n=2), Australia (n=1) og Afrika (n=1). Seks land har kun en artikkel hver, og blant disse er også den femte verdensdelen Asia representert med to land, Kina og India. I tillegg er Japan på en 15. plass.

Tabell 3: Landene artiklene kom fra

Country	N	Percent
United States	26	15,0
Germany	21	12,1
Canada	18	10,4
United Kingdom	17	9,8
Netherlands	14	8,1
Australia	12	6,9
Switzerland	9	5,2
Norway	6	3,5
Italy	5	2,9
South Africa	4	2,3
Finland	3	1,7
Belgium	3	1,7
Sweden	2	1,2
Denmark	2	1,2
Japan	2	1,2
Austria	2	1,2
Israel	2	1,2
Others*	8	0,6
Total	156	90,2
System missing	17	9,8
Total	173	100,0

Note: * Others: Disse landene har en artikkel hver: Ireland, France, China, India, Scotland og Cambodia. To artikler er fra to land i samarbeid: USA/Canada og UK/Ireland

Når det gjaldt hvilke type publikasjoner som var representert i materialet, viser tabell 4 at det var cirka halvt om halvt med empiriske og teoretiske artikler. Disse utgjorde til sammen nesten 60 prosent. I tillegg var det også en del kunnskapsoppsummeringer. Dette tallet kan være lavere, hvis en går til artiklenes fulltekst, da det kan synes som om

noen har kalt eller kodet artiklene som ”reviews” uten at de nødvendigvis er det i den forstand at det inngår en viss grad av systematikk i søk, seleksjon og analyse. For 22 av artiklene var det på abstraktnivå ikke mulig å redegjøre for hvilken type publikasjon det var.

Tabell 4: Type publikasjoner

Type of publication	N	Percent
Empirical	62	35,8
Theoretical	41	23,7
Review	22	12,7
Others	19	11,0
Letter/Editorial/Commentary/Note	4	2,3
Case reports	3	1,7
Total	151	87,3
System missing	22	12,7
Total	173	100,0

Tabell 5 viser hvilke design som er brukt i de empiriske artiklene som ble identifisert (n=62). Dette viser en stor overvekt av kvantitative studier, kun hver femte artikkel har benyttet et kvalitativt design. De kvantitative artiklene benytter i all hovedsak observasjon og ikke eksperiment som utgangspunkt. Imidlertid er gruppen av observasjonsstudier stor og mangfoldig, og innebærer flere typer epidemiologiske design. Likedan er det ikke differensiert mellom om studiene er tverrsnittstudier eller longitudinelle. Kun en studie er et eksperiment, og denne studien presenterer en protokoll for en randomisert kontrollert studie.

Tabell 5: Design brukt i de empiriske artiklene

Study design	N	Percent
Case-control, cohort, case studies, cross sectional surveys	46	74,2
Qualitative study	13	21,0
Experiment (RCT/CCT)	1	1,6
Instruments validity, reliability, sensitivity tests	1	1,6
Others	1	1,6
Total	62	100,0

Note: RCT= randomisert kontrollert studie, CCT= Klinisk kontrollert studie

De diagnoser som oftest var nevnt i studiene var cerebral parese (n=12), hjerneslag (n=10) og multiple sklerose (n=5). Av de 173 artiklene var det 131 som hadde angitt felt. Av disse var over halvparten fra rehabiliteringsfeltet.

4.2 Kvalitative resultater

For å få litt nærmere kjennskap til noen av ICF- artiklene gjorde vi et strategisk utvalg av 31 artikler som her er beskrevet litt nærmere, fortrinnsvis blant de empiriske artiklene. Disse viser ulike bruksområder av ICF, som her er sortert i følgende kategorier som også utgjør underkappitlene i 4.2:

- Litteratur der ICF blir brukt for å utvikle terapeutiske metoder og praksismodeller.
- Litteratur der ICF er brukt for å sette fokus på aktivitet og deltagelse.
- Litteratur som viser bruken av ICF innen medisinsk tverrfaglig rehabilitering.
- Litteratur der brukers behov, problemer, mål og intervensjoner er linket til ICF.
- Litteratur der ICF brukes til å beskrive helse og funksjon.
- Litteratur der instrumenter linkes til ICF.
- Litteratur der ICF kjernesett videreutvikles og utprøves.
- Litteratur der ICF instrumenter blir anvendt i praksis.
- Litteratur der ICF blir brukt for å diskutere konseptuelle spørsmål ved instrumentutvikling.
- Litteratur der ICF blir brukt som grunnlag for effektmål.
- Litteratur der ICF blir brukt for å beskrive kontekstuelle faktorer.

4.2.1 Litteratur der ICF blir brukt for å utvikle terapeutiske metoder og praksismodeller

En review er knyttet til pasienter med Parkinson sykdom⁵. Den ser nærmere på terapeutisk anvendelse av cues som brukes som ”knep” for å stimulere til bedre gangfunksjon. ICFs konseptuelle begrepsramme brukes for å søke å utvikle denne terapeutiske metoden. Evidens for metoden gis, samt at praktiske eksempler gis for anvendelse i kliniske settinger og i hjemmet.

Nieuwboer A, Rochester L, Jones D. Cueing gait and gait-related mobility in patients with Parkinson's disease: developing a therapeutic method based on the International Classification of Functioning, Disability, and Health. *Topics in Geriatric Rehabilitation* 2008; 24(2):151-165.

I en kanadisk artikkel⁶ brukes ICF sitt begrepsmessige rammeverk til å guide ergonomisk intervensjon innen yrkesmessig rehabilitering. Denne artikkelen er beskrevet nærmere i tabell 6.

Tabell 6: ICF brukt til å utvikle en ny ergonomisk praksismodell for arbeidsrettet rehabilitering

<i>Artikkel</i>	Leyshon RT, Shaw LE. Using the ICF as a conceptual framework to guide ergonomic intervention in occupational rehabilitation... <i>International Classification of Functioning, Disability, and Health. Work</i> 2008; 31(1):47-61.
Mål	Å introdusere en ny praksismodell for ergonomi i tilbakeføringsprosessen innen arbeidsrettet rehabilitering
Materiale og metode	Teoretisk artikkel
Resultater	Det fokuseres ofte ensidig på kroppsfunksjoner og kroppsstrukturer ved behandling av muskel- og skjellettskader. Det erfares å være en mangel på formell konseptualisering eller standardisert tilnærming til ergonomi når det gjelder tilbakeføringsprosesser til arbeid. Det kan skyldes at så mange ulike disipliner har vært involvert i ergonomifeltet. Dette kan ha bidratt til at en har sett ergonomi fra egne perspektiv i stedet for å tilstrebe en tverrfaglig tilnærming. Denne studiens praksismodell skisseres ut fra ICF og integrerer denne med basisergonomiske prinsipper og rehabiliteringsprinsipper.

4.2.2 Litteratur der ICF er brukt for å sette fokus på aktivitet og deltagelse

I en svensk empirisk studie innen institusjonsbasert psykiatrisk omsorg⁷, oppgis ICF som en inspirasjonskilde for studiens fokus på aktivitet og deltagelse. Studien er nærmere beskrevet i tabell 7.

Tabell 7: Studie fra institusjonsbasert psykiatrisk helsetjeneste

Artikkel	Daremo A, Haglund L. Activity and participation in psychiatric institutional care. <i>Scandinavian Journal of Occupational Therapy</i> 2008; 15(3):131-14
Mål	Å beskrive hvordan pasienter i psykiatriske institusjoner oppfatter egne muligheter for å være aktive, samt hvordan de deltar i egen behandling.
Materiale og metode	Rekrutteringen ble foretatt blant pasienter som hadde mottatt tjenestetilbud i løpet av en seks måneders periode. Disse deltok i en spørreundersøkelse. På bakgrunn av denne ble ti pasienter i tillegg utvalgt for et intervju.
Resultater	Studien viste at yngre pasienter og pasienter som ble behandlet ufrivillig generelt var mer misfornøyd enn andre. Pasientenes oppfattelse av omgivelsene var influert av verdier i avdelingen. Tema som atmosfære på avdelingen, mottakelse, kontinuitet og støtte ble presentert. Viktige faktorer relatert til aktivitet og deltakelse var: overenskomst angående behandlingsplan, diskusjon omkring forventninger, opprettelse av betingelser for engasjement i aktiviteter samt at det ble sørget for at pasienter som har forutsetninger tar ansvar for seg selv.

4.2.3 Litteratur som viser bruken av ICF innen medisinsk tverrfaglig rehabilitering

En tysk studie⁸ hevder at medisinsk rehabilitering overfor personer med reumatiske sykdommer i dag er basert på ICF. De eksemplifiserer dagens reumatologiske rehabilitering ved hjelp av to case-rapporter; en pasient med tidlig reumatoid artritt og en pasient med ankylosing spondylitt. De illustrer tverrfaglig medisinsk rehabilitering basert på ICF.

Ehlebracht-K+Änig I, Mau W. [Rheumatological rehabilitation today : Exemplified by two case reports.]. *Zeitschrift F+r Rheumatologie* 2008; 67(7):554-564.

4.2.4 Litteratur der brukers behov, problemer, mål og intervensjoner er linket til ICF

En kanadisk empirisk artikkel utforsker mål og intervensjoner fra fysioterapeuter og ergoterapeuter for barn med cerebral parese. Målene og tiltakene blir sortert ut fra ICFs begrepsapparat⁹.

Darrah, J., Wiart, L., & Magill-Evans, J. 2008, "Do therapists' goals and interventions for children with cerebral palsy reflect principles in contemporary literature?", *Pediatric Physical Therapy*, vol. 20, no. 4, pp. 334-339.

En nederlandsk empirisk studie brukte aktivitetsprofiler fra 41 barn med CP, og kodet innholdet vedrørende behov, problemer og mål ut fra ICFs barneverisjon, ICF-CY¹⁰. Denne artikkelen er nærmere beskrevet i tabell 8.

Tabell 8: Studie der ICF-CY brukes for å beskrive behov, problemer og mål

Artikkel	<i>Nijhuis, B. J. G., Reinders-Messelink, H. A., de Bl+@court, A. C. E., Ties, J. G., Boonstra, A. M., Groothoff, J. W., Nakken, H., & Postema, K. 2008b, "Needs, problems and rehabilitation goals of young children with cerebral palsy as formulated in the rehabilitation activities profile for children", Journal of Rehabilitation Medicine, vol. 40, no. 5, pp. 347-354</i>
Mål	Å beskrive innholdet vedrørende behov, problemer og mål fra 41 barn med CP ut fra ICFs barneverisjon, ICF-CY, og evaluere tilslutningen av formulerte behov, problem og mål til spesifikasjonene av "Rehabilitation Activities Profile" (RAP) for barn.
Materiale og metode	Rå tekstdata fra rapporter ble trukket ut og organisert. To uavhengige vurderte kvaliteten på oppføringene mot spesifikasjonene og linket innholdet til ICF-CY kategoriene.
Resultater	I 12 % av rapportene var ingen behov nevnt, og i 24% var ingen vesentlige mål formulert. Behovet var mest knyttet til aktivitets- og deltagesdomenene, mens problem og mål dekket alle tre ICF-CY domenene. Rundt halvdelene av målene ble formulert i termer av ønsket effekt, mens noen flere ble knytte til barn/foreldres handlinger.

En annen artikkel fra det samme miljøet bruker det samme materialet for å se om behovene og hovedproblemene de har er integrert i rehabiliteringsmålene for barna¹¹.

Nijhuis, B. J. G., Reinders-Messelink, H. A., de Bl+@court, A. C. E., Boonstra, A. M., Calam+@, E. H. M., Groothoff, J. W., Nakken, H., & Postema, K. 2008a, "Goal setting in Dutch paediatric rehabilitation. Are the needs and principal problems of children with cerebral palsy integrated into their rehabilitation goals?", *Clinical Rehabilitation*, vol. 22, no. 4, pp. 348-363.

4.2.5 Litteratur der ICF brukes til å beskrive helse og funksjon

En australsk studie¹² omhandler mental helse på arbeidsplassen. ICF ble i denne artikkelen anvendt som en modell for å beskrive forholdet mellom symptomer, aktiviteter, deltakelse og omgivelsesfaktorer.

Sanderson K, Nicholson J, Graves N, Tilse E, Oldenburg B. Mental health in the workplace: using the ICF to model the prospective associations between symptoms, activities, participation and environmental factors. *Disability and Rehabilitation* 2008; 30(17):1289-1297.

En studie fra Irland¹³ vurderte funksjonsproblemer hos personer med hjernelag. VSS er et frivilligbasert gruppetilbud der personer med hjerneslag møtes ukentlig, og deltar i terapeutiske aktiviteter og fysioterapisesjoner. Studien er nærmere beskrevet i tabell 9.

Tabell 9: ICF domener brukt for å se bredere på helse og funksjon etter hjerneslag

Artikkel	Tobin C, Hevey D, Horgan NF, Coen RF, Cunningham CJ. Health-related quality of life of stroke survivors attending the volunteer stroke scheme. <i>Irish Journal Of Medical Science</i> 2008; 177(1):43-47.
Mål	Å skaffe oversikt over helse og funksjonsevne hos deltagere i et kommunalt terapeutisk program (VSS), sett i forhold til domene i ICF
Materiale og metode	Et utvalg av 41 VSS-pasienter gjennomførte standardiserte kartlegging av kognitiv funksjon, aktivitetsnivå, psykisk funksjon og livskvalitet, ved hjelp av en rekke ulike instrumenter.
Resultater	37 % hadde mild kognitiv svikt og 44 % møtte kriteriet for klinisk depresjon. I tillegg hadde de begrensninger på aktivitetsnivå.

En empirisk studie fra India¹⁴ kartlegger egenomsorg ut fra ICF's aktivitets- og deltagesdomener hos personer med HIV/AIDS. Studien er nærmere beskrevet i tabell 10.

Tabell 10: Egenomsorg i daglige aktiviteter hos HIV/AIDS-syke i India

Artikkel	Gaidhane AM, Zahiruddin QS, Waghmare L, Zodpey S, Goyal RC, Johrapurkar SR. Assessing self-care component of activities and participation domain of the international classification of functioning, disability and health (ICF) among people living with HIV/AIDS. <i>AIDS Care</i> 2008; 20(9):1098-1104.
Mål	Å kartlegge egenomsorg i daglige aktiviteter hos personer som lever med HIV/AIDS
Materiale og metode	En tverrsnittstudie blant 194 personer med HI/AIDS ble utført. Egenomsorgskomponentene (d5) fra aktivitets- og deltagesdomene i ICF ble brukt.
Resultater	Over 65 % av deltagerne erfarte en eller flere aktivitetsbegrensninger.
Konklusjon	Ettersom HIV har blitt en mer livslang, uforutsigbar, men medisinsk administrerbar tilstand, mener forfatterne at det er behov for flere studier som sammenligner HIV med andre funksjonshemmede, for å identifisere fellestrekk mellom deres erfaringer.

En australsk artikkel¹⁵ beskriver en epidemiologisk studie basert på registerdata overfor barn med hemiplegisk cerebral parese, der ICF er brukt for å beskrive smerter i to domener, kroppsfunksjoner/strukturer og aktivitet/deltagelse. Studien er nærmere beskrevet i tabell 11.

Tabell 11: ICF brukt for å beskrive smerter hos barn med hemiplegisk CP

Artikkel	Russo, R. N., Miller, M. D., Haan, E., Cameron, I. D., & Crotty, M. 2008, "Pain characteristics and their association with quality of life and self-concept in children with hemiplegic cerebral palsy identified from a population register", <i>Clinical Journal of Pain</i> , vol. 24, no. 4, pp. 335-342.
Mål	Å beskrive og karakterisere forekomst og art av smerte blant barn med hemiplegisk cerebral parese.
Materiale og metode	Studien inkluderte 107 deltagere. ICF ble brukt for å definere effekt av smerter i to domener, kroppsfunksjoner/strukturer og aktivitet/deltakelse.
Resultater	48 prosent rapporterte smerte. 69 prosent av disse oppgav at smerten innvirket på bevegelse/aktivitet.
Konklusjon	Smerte er vanlig hos barn med hemiplegisk cerebral parese, og assosieres med nedsatt livskvalitet og egenoppfatning. Ut fra resultatene anbefales at klinikere vurderer og aktivt håndterer barnas smerteproblematikk.

4.2.6 Litteratur der instrumenter linkes til ICF

I en Belgisk empirisk studie¹⁶ var målet å utvikle et instrument (ABILOCO) som skulle vurdere bevegelseevnen hos voksne pasienter med hjerneslag. ICF ble her brukt for å identifisere spørsmålene i instrumentet til aktivitetsdomenene i ICF.

Caty GD, Arnould C, Stoquart GG, Thonnard JL, Lejeune TM. ABILOCO: a Rasch-built 13-item questionnaire to assess locomotion ability in stroke patients. *Archives of Physical Medicine & Rehabilitation* 2008; 89(2):284-290.

En systematisk kunnskapsoppsummering var knyttet til diagnosen kreft¹⁷. Den var om ofte brukte instrumenter som vurderer livskvalitet for personer med kreft i hode og nakke. ICF ble brukt her for å linke konseptene av funksjonsevne fra variablene i de ulike instrumentene til ICF sitt begrepsapparat. Artikkelen er fra det kjente Ludwig-Maximilians-University i Munchen.

Tschiesner, U., Rogers, S. N., Harr+@us, U., Berghaus, A., & Cieza, A. 2008, "Content comparison of quality of life questionnaires used in head and neck cancer based on the international classification of functioning, disability and health: a systematic review", *Head And Neck Surgery*, vol. 265, no. 6, pp. 627-637.

En studie fra Nederland¹⁸ ser på konsekvensene funksjonsnedsettelse ved multippel sklerose (MS) har på livskvalitet. De benyttet en måling av funksjonsnedsettelse ved bruk av *Multippel Sclerosis Impact Profil (MSIP)* som er basert på ICF, i tillegg til to livskvalitetsmåleinstrumenter og WHO instrument som måler livskvalitet (WHOQOL).

Wynia K, Middel B, van Dijk JP, De Keyser JHA, Reijneveld SA. The impact of disabilities on quality of life in people with multiple sclerosis. *Multiple Sclerosis (Houndmills, Basingstoke, England)* 2008; 14(7):972-980.

I en review fra USA¹⁹ var deltagelse i fokus. De gjennomførte en litteraturgjennomgang der de vurderte instrumenter som kartlegger deltagelse brukt i forhold til personer med ryggmargskade. De fant at CHART var mest benyttet, selv om utviklingen av dette instrumentet forutdaterer utviklingen av ICF.

Magasi SR, Heinemann AW, Whiteneck GG. Participation following traumatic spinal cord injury: an evidence-based review for research. *The Journal of Spinal Cord Medicine* 2008; 31(2):145-156

En studie fra Frankrike²⁰ linker innholdet i Osteoarthritis Knee and Hip Quality of Life (OAKHQOL) instrumentet til ICFs begrepsapparat, og sammenligner OAKHQOL med fem instrumenter brukt i forhold til osteoartritt (OA) ved å bruke ICF core-set for OA.

Rat AC, Guillemin F, Pouchot J. Mapping the osteoarthritis knee and hip quality of life (OAKHQOL) instrument to the international classification of functioning, disability and health and comparison to five health status instruments used in osteoarthritis. *Rheumatology (Oxford, England)* 2008; 47(11):1719-1725.

En nederlandsk studie²¹ omhandlet en litteraturgjennomgang av helserelaterte livskvalitetsinstrumenter for langtidsoppfølging hos barn etter betydelige traumer. De fant 79 artikler som i alt beskrev 14 ulike instrumenter. Disse ble linket til ICF på kapitellnivå ut fra innhold. Tre instrumenter fanget godt nok opp ICFs domener.

Janssens L, Gorter JW, Ketelaar M, Kramer WLM, Holtslag HR. Health-related quality-of-life measures for long-term follow-up in children after major trauma. *Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation* 2008; 17(5):701-713.

En britisk kunnskapsoppsummering²² omhandler behovet for standardisering av metoder for hørselsscreening blant barn, der barneverjonen av ICF, ICF-CY, skal brukes som begrepsmessig ramme.

Olusanya BO, Somefun AO, Swanepoel DW. The need for standardization of methods for worldwide infant hearing screening: a systematic review. *The Laryngoscope* 2008; 118(10):1830-1836.

En studie fra Canada²³ benytter Delphi-teknikk for å linke et hjerneslagsspesifikt funksjonelt index kalt The stroke Impact Scale-16 (SIS-16) til ICF sitt begrepsapparat. Linkingen viste at ICF fanget godt item'ene i dette instrumentet. Kun for tre items ble ikke konsensus nådd blant de 19 fagpersonene som deltok i linkingen.

Moriello C, Byrne K, Cieza A, Nash C, Stolee P, Mayo N. Mapping the Stroke Impact Scale (SIS-16) to the international classification of Functioning, Disability and Health. *Journal of Rehabilitation Medicine* 2008; 40(2):102-106.

4.2.7 Litteratur der ICF kjernesett videreutvikles og utprøves

I en norsk tverrsnittstudie²⁴ utforskes ICF sitt kjernesett for korsryggmerter (LBP), med tanke på om den klarer å fange pasientenes problemer, men også om den er anvendbar i klinisk praksis. Studien er nærmere beskrevet i tabell 9.

Tabell 12: Evaluering av den norske versjonen av ICFs kjernesett for LBP

Artikkel	Bautz-Holter E, Sveen U, Cieza A, Geyh S, R+©e C. Does the International Classification of Functioning, Disability and Health (ICF) Core Set for low back pain cover the patients' problems? A cross-sectional content-validity study with a Norwegian population. <i>European Journal Of Physical And Rehabilitation Medicine</i> 2008; 44(4):387-397.
Mål	Å evaluere den norske versjonen av ICFs kjernesett for pasienter med korsryggmerter og undersøke dens anvendbarheten i klinisk praksis.
Materiale og metode	Del av et internasjonal multisenterstudie med 118 norske pasienter. ICFs kjernesett ble utfyllt av fagpersoner, og pasientene rapporterte problemene ved bruk av "Medical Outcome Study Short Form 36" og " Oswestry Low Back Pain Disability questionnaire".
Resultater	ICF core-set klarte å fange opp de aller fleste av pasientenes problemer. Mange problemer ble nevnt innen domenet kroppsfunksjoner, og problem innen arbeid og sysselsetting ble dekket av aktivitets- og deltagelseskomponentene. Miljøfaktorene ble mest skåret som fasilatorer, men samme faktor kunne også representere en barriere hos andre individer. Helsepersonell, familie og venner var viktige faktorer innen denne domenen. Få problem ble skåret som alvorlige. Skåring av ICFs kjernesett var gjennomførbart, men tidkrevende.

Note: LBP= Low Back Pain

En case kontrollstudie fra Østerrike²⁵ hadde som hensikt å identifisere de kliniske testene som var mest hensiktsmessige med tanke på å underbygge kategoriene muskelfunksjon og emosjonell funksjon som inngår i kortversjonen av ICF sitt kjernesett i forhold til kroniske korsryggssmerter. Dette argumenteres for å være spesielt viktig da disse er mer overordede kategorier.

Paul B, Leitner C, Vacariu G, Wick F, Zehetmayer S, Matzner M et al. Low-back pain assessment based on the Brief ICF Core Sets: diagnostic relevance of motor performance and psychological tests... International Classification of Functioning, Disability and Health (ICF). American Journal of Physical Medicine & Rehabilitation 2008; 87(6):452-460

En studie fra Italia²⁶ vurderer anvendbarheten av ICFs kjernesett som effektmål for osteoartritt i oppfølging etter at pasienter har fått leddprotese. ICF core-set fanget mange effekter, og bedring i mange kategorier. Forfatterne mener at ICF sitt kjernesett fokuserer på emner og aspekter i personers hverdagsliv som vanligvis ikke blir tatt i betraktning ved vanlige vurderinger av behandlingseffekt.

Pisoni C, Giardini A, Majani G, Maini M. International Classification of Functioning, Disability and Health (ICF) Core Sets for osteoarthritis. A useful tool in the follow-up of patients after joint arthroplasty. European Journal Of Physical And Rehabilitation Medicine 2008; 44(4):377-385.

4.2.8 Litteratur der ICF instrumenter blir anvendt i praksis

To artikler fra psykiatrifeltet^{27;28} omhandler bruken av et instrument Mini-ICF-P (Mini-ICF-Rating for Mental Disorders) for å supplere medikamentell behandling av schizofreni med et fokus på psykososial funksjon.

Juckel, G. & Morosini, P. L. 2008, "The new approach: psychosocial functioning as a necessary outcome criterion for therapeutic success in schizophrenia", Current Opinion In Psychiatry, vol. 21, no. 6, pp. 630-639.

Juckel, G., Schaub, D., Fuchs, N., Naumann, U., Uhl, I., Witthaus, H., Hargarter, L., Bierhoff, H. W., & Brunn, M. 2008, "Validation of the Personal and Social Performance (PSP) Scale in a German sample of acutely ill patients with schizophrenia", Schizophrenia Research, vol. 104, no. 1-3, pp. 287-293.

4.2.9 Litteratur der ICF blir brukt for å diskutere konseptuelle spørsmål ved instrumentutvikling

En amerikansk teoretisk artikkel²⁹ omhandler konseptuelle spørsmål om utvikling av valide og brukbare instrumenter som kartlegger barns deltakelse. Uklarhet i gjeldende definisjon av deltakelse i ICF ble gransket sammen med den implikasjon de har for å utvikle valide måleinstrumenter for barn og unge. Tre utfordringer beskrives, og som de som utvikler deltagelsesinstrumenter for barn og unge bør ha i mente; uklare kriterier for å skille aktivitet fra deltagelse, manglende konsensus om hvordan instrumenter bør adressere objektive og subjektive aspekter av deltagelse, samt valg av respondenter når barna skal være i fokus.

Coster W, Khetani MA. Measuring participation of children with disabilities: issues and challenges. Disability & Rehabilitation 2008; 30(8):639-648.

4.2.10 Litteratur der ICF blir brukt som grunnlag for effektmål

En studie fra Finland³⁰ tok utgangspunkt i at fysioterapi trenger effektmål som klarer å fange effekten av intervensjoner. I denne artikkelen gjaldt det effektmål overfor pasienter med multiple sklerose. Målet med studien var å velge responsive effektmål for fysisk funksjon. De brukte ICFs begrepsapparat for å sortere hva de ulike kartleggingsinstrumentene målte. Både domeneene kroppsfunksjoner, aktivitet og deltagelse var inkludert.

Paltamaa J, Sarasoja T, Leskinen E, Wikstrom J, Malkia E. Measuring deterioration in International Classification of Functioning domains of people with multiple sclerosis who are ambulatory. *Physical Therapy* 2008; 88(2):176-190.

En case-rapport fra USA³¹, presenterer en tverrfaglig tilnærming til rehabilitering av bevegelsesfunksjon hos en person med innkomplett ryggmargskade. Forfatterne understreker at ICF bidrar med utvidede perspektiver for rehabiliteringen, og understreker betydningen av de kontekstuelle faktorene, både de personlige og miljøfaktorene. Evalueringen både før og etter intervensjonen (bevegelsestrening) ble målt i henhold til alle domener fra ICF modellen.

Bowden MG, Hannold EM, Nair PM, Fuller LB, Behrman AL. Beyond gait speed: a case report of a multidimensional approach to locomotor rehabilitation outcomes in incomplete spinal cord injury. *Journal Of Neurologic Physical Therapy: JNPT* 2008; 32(3):129-138

En nederlandsk protokoll for en RCT-studie³² har til hensikt å evaluere en ny terapi for å bedre armfunksjonen hos personer med hjerneslag i en sub-akutt fase. Intervensjonen er basert på "mental practice theories" og funksjonell oppgaveorientert trening. ICF er her brukt for å definere hva effektmålene skal rette seg mot. Primære effektmål vil være funksjon i overekstremitetene svarende til ICF's aktivitetsdomene, mens sekundære resultatmål vil dekke ICF sitt kroppsfunksjonsnivå.

Verbunt JA, Seelen HAM, Ramos FP, Michielsen BHM, Wetzelaer WL, Moennekens M. Mental practice-based rehabilitation training to improve arm function and daily activity performance in stroke patients: a randomized clinical trial. *BMC Neurology* 2008; 8:7.

4.2.11 Litteratur der ICF blir brukt for å beskrive kontekstuelle faktorer

En svensk kvalitativ studie beskriver sosialt nettverk hos voksne med cerebral parese, ved å bruke ICF sine miljøfaktorer, og samtidig vurdere disse voksnes erfaringer med slike nettverk som fasilitatorer eller barrierer i henhold til ICF sin graderingsskala³³.

J+Ånsson, G., Ekholm, J., & Schult, M. 2008, "The International Classification of Functioning, Disability and Health environmental factors as facilitators or barriers used in describing personal and social networks: a pilot study of adults with cerebral palsy", *International Journal of Rehabilitation Research*, vol. 31, no. 2, pp. 119-129.

En kvalitativ studie fra Soweto i Sør-Afrika³⁴, ser på sosiale aspekter med å leve med reumatoid artritt (RA) i en kontekst med lite ressurser. Resultatene er beskrevet i overensstemmelse med ICF's teoretiske rammeverk. Studien er nærmere beskrevet i tabell 13.

Tabell 13: ICF brukt for å beskrive sosiale aspekter ved å leve i Soweto med RA

<i>Artikkel</i>	Schneider M, Manabile E, Tikly M. Social aspects of living with rheumatoid arthritis: a qualitative descriptive study in Soweto, South Africa - a low resource context. <i>Health And Quality Of Life Outcomes</i> 2008; 6:54.
Mål	Å utforske de personlige og sosiale konsekvensene av RA for kvinner som lever under svært fattigslige forhold.
Materiale og metode	Et kvalitativt case design. Et utvalg av 60 kvinner med RA. Det ble benyttet semi-strukturert dybdeintervjuer. Resultatene ble beskrevet i henhold til ICF sitt begrepsmessige rammeverk.
Resultater	Hovedtrekkene ved å leve med RA var nevnt som smerte og muskelstivhet, vanskeligheter med å utføre ulike aktiviteter som forflytning, vaske seg, kle på seg, huslige oppgaver, bruke transport og anskaffe og vedlikeholde et arbeidsforhold. Ellers beskrev deltagerne vanskeligheter med å komme seg rundt, ha sosial interaksjon, ta del i samfunnsmessige aktiviteter, fylle sosiale roller og tjene nok til å leve. Som miljømessige fasilitatorer ble støttende råd og helseservice nevnt. Barrierer som ble trukket frem var blant annet; fysisk miljø, fravær av transportmuligheter og basisservice som elektrisitet og andres holdninger som igjen førte til sosial eksklusjon.
Konklusjon	Erfaringen med å leve med RA i en kontekst med små ressurser, har mye felles med dem i mellom og høye ressurskontekster, men forverres av fattigdom og mangel på basisservice. ICF skaffet et formålstjenelig rammeverk for å beskrive og forstå kompleksiteten av disse erfaringene.

Note: RA= revmatoid arthritt

En kanadisk kunnskapsoppsummering³⁵ omhandler hvilken funksjonsrettet innvirkning hjelpemidler har for barn med funksjonsnedsettelse, sett i forhold til emneområdene i ICF. Studien er nærmere beskrevet i tabell 14.

Tabell 14: Tekniske hjelpemidler for barn, og hva de er rettet mot

<i>Artikkel</i>	Henderson S, Skelton H, Rosenbaum P. Assistive devices for children with functional impairments: impact on child and caregiver function. <i>Developmental Medicine & Child Neurology</i> 2008; 50(2):89-98.
Mål	Å utvikle kunnskap om hvilken funksjonsrettet innvirkning hjelpemidler har for barn med funksjonsnedsettelse, sett i forhold til emneområdene i ICF.
Materiale og metode	54 studier var inkludert i kunnskapsgjennomgangen.
Resultater	Hjelpemidlene som ble omtalt i litteraturen var rettet mot følgende funksjonsområder: tilgjengelighet til pc, aktivitetsassistanse, adferdsendringer, kommunikasjon, selvstendig spising, livsferdigheter, mobilitet, endringer i omgivelsene, ernæring og postural stabilitet. Hjelpemidlene viste seg å være overveldende positive.

5 Diskusjon

Målet med denne studien var å identifisere og presentere litteraturen som er gitt ut i 2008, der ICF benyttes, omtales eller inngår.

5.1 Tematisk diskusjon

5.1.1 Kvantitative funn

Artiklene som er identifisert i 2008 viste at det var en dominans fra industrilandene, men det er interessant at også land som Sør-Afrika, Cambodia og India var representert, samt at alle verdensdeler var representert. Dette kan bety at ICF har en geografisk utstrakt bruk. Begrepsapparatet i ICF kan bidra til et felles språk, noe som muliggjør ytterligere utveksling av kunnskap på tvers av ulike kulturer og verdensdeler. Dette er også i tråd med WHO sine målsettinger med ICF, hvor blant annet etablering av et felles språk står sentralt. Dette kan, sammen med sentrale mål om en felles forståelsesbakgrunn og vitenskapelig basis, muliggjøre sammenligning av data mellom blant annet land og disipliner.

Vi fant 173 vitenskapelig artikler fra 2008 knyttet til ICF, noe som oppleves som et høyt antall publikasjoner innenfor kun ett år. Et overraskende funn var at Norge var representert med flere artikler enn de andre nordiske landene, spesielt sammenlignet med Sverige som igjennom en årrekke har bidratt med en høyere andel av vitenskapelige publikasjoner. Den norske publiseringen kan være et tegn på en større grad av implementering av ICF i praksis og forskning, men utvalget i studien er ikke stort nok til å kunne trekke noen slutninger rundt dette.

Vi fant også at hver femte av de empiriske artiklene hadde benyttet et kvalitativt design. Man kan spørre seg om rundt 20 prosent kvalitative studier er å anse som et høyt eller lavt antall? Det knytter seg også en usikkerhet rundt det som omtales som ”publication bias”, og om en slik skjevhet kan ligge i at kvalitative studier kan være vanskeligere å få antatt for publisering.

5.1.2 Kvalitative funn

I de utvalgte artiklene fant vi en klar hoveddominans av studier som anvendte begrepsapparatet på ulike måter. Kodeverket var kun benyttet i få av artiklene som var med i utvalget, noe som kan anses som et interessant i seg selv. Det synes som om det er den teoretiske modellen som er oftest i bruk. Dette understøtter også det fokuset som Helsedirektoratet nå legger som føringer i den norske implementeringen, hvor ICF modellen og begrepsapparatet vektlegges spesielt i den strategiske satsningen for år 2008.

Et sentralt funn var en større variasjonsbredde enn forventet, både i forhold til ICF sin rolle og anvendelsesområder knyttet til diagnose, felt, aldersgrupper samt ulike forskningsdesign:

De utvalgte abstraktene viste at ICF sin rolle i studiene hadde et vidt spekter. I hvor stor grad ICF har influert på studiene varierte fra å kun være en inspirasjonskilde³⁶ til eksempler hvor ICF sitt kjernesett²⁴⁻²⁶ eller ICF instrumenter^{27;28} ble utforsket og forsøkt anvendt i praksis. Presiseringsnivået på bruken av ICFs begrepsapparat var også forskjellig. De fleste artiklene benyttet begrepsapparatet på emneområdenivå, hvor de inkluderte alle domene. Noen få gikk mer spesifikt inn på ett emneområde, eksempelvis kun aktivitet- eller deltagelsesdomenet. Andre valgte å fokusere på miljøfaktorenes betydning. En artikkel fra India¹⁴ gikk spesifikt inn på egenomsorgskomponentene (d5) under emneområdet aktivitet/deltagelse. Dette brede spekteret med eksempler på hvordan ICF er anvendt i dette utvalget kan bidra til inspirasjon i forhold til videre bruksområder for ICF i praksis og forskning. Funnene kan også tyde på at det er muligheter for å ytterligere utvide bruken ved å for eksempel inkludere flere nivåer i ICF sitt begrepsapparat ved videre forskning og praksis.

I studien fant vi et bredt spekter av områder ICF var anvendt innenfor. Når det gjelder diagnoser, så hadde vi vel kanskje forventet å finne et flertall av studier knyttet til ervervet hjerneskade og hjerneslagrehabilitering. Det var en overraskelse at vi i utvalget fant så mange ulike diagnosegrupper som ICF var anvendt i forhold til, som for eksempel HIV/Aids, kreft, multipel sklerose og reumatiske lidelser^{14 17 18 8}.

Et annet aspekt som kom fram var de ulike områdene vi fant hvor ICF hadde blitt anvendt innenfor. Artiklene i utvalget representerte et bredt spekter av bruksområder innenfor for eksempel språk, kommunikasjon, hørsel, gange- og mobilitetsproblemer. Videre fant vi eksempler på at ICF var anvendt i forhold til anvendelse av cues for å stimulere gangfunksjon ved parkinson sykdom⁵ og ved oppfølging etter innsetting av leddproteser ved osteoartritt²⁶. Vi fant også et eksempel hvor ICF var brukt i forhold til arbeidsrettet rehabilitering⁶. Det at ICF er brukt innenfor både psykiatri, pediatri og somatikk støtter opp om ICFs målsetting om å gi grunnlag for vitenskapelige undersøkelser knyttet til helse og helserelaterte tilstander innenfor ulike fagområder og helsetjenester. Vi fant også studier som viste at ICF var benyttet i forhold til ulike aldersgrupper. I tillegg var den nye barneverjonen, ICF-CY anvendt¹⁰.

Det som kanskje er aller mest spennende er at disse resultatene gir en indikasjon på at ICF kan synes å ha bidratt til å utvidet forståelsen av problemene ulike brukergrupper har. Dette kan være en meget viktig utvikling for helsetjenestens tankemåte og derved hvordan tjenester utformes og hva de fokuserer på. I ytterste konsekvens har ICF potensial til å medvirke til et paradigmeskifte i hvordan helsetjenesten tenker om helse og funksjon. Derved vil også tilnæringsmåtene innen forebygging, behandling og rehabilitering kunne endres. For pasientene kan dette resultere i at en i fremtiden møter en helsetjeneste som fanger flere aspekter av livet til de som får et tilbud.

5.2 Metodiske begrensninger

5.2.1 Kvantitativ undersøkelse

På grunn av begrensede ressurser ble hver artikkel vurdert av kun en reviewer. Det hadde styrket reliabiliteten av resultatene i studien dersom hver artikkel hadde vært vurdert av to uavhengige forskere der uenighet ble drøftet med konsensus.

Det vil være behov for å differensiere bedre mellom ulike studiedesign i de inkluderte abstraktene ved en eventuell videre analyse av dette materialet.

5.2.2 Kvalitativ undersøkelse

Utvalget var begrenset, og favnet derfor ikke alle ICFs bruksområder i publiseringsåret 2008. En annen mulig svakhet er at artiklene ble gjennomgått på abstraktnivå. Ved en vurdering av artiklene i fulltekst, kunne en fått frem flere og mer nyanserte aspekter av ICF sin rolle i ulike studier. Omfang og kvaliteten på abstraktene varierte sterkt, noe som også kan ha innvirket på tolkningen av ICF sin funksjon. En tredje svakhet kan ha vært utvalgsstrategien til de 31 artiklene som ble beskrevet. Det ble i forkant vurdert å bruke en tilfeldig strategi, men dette ble forkastet da det ble sett som mest viktig å beskrive artikler som hadde en bredes mulig tilnærning på flere dimensjoner.

Reference List

- (1) WHO. International statistical classification of diseases and related health problems. Tenth revision. ICD-10. Geneva: 1992-94. World Health Organization; 1994.
- (2) WHO. International classification of functioning, disability and health, ICF. Geneva: World Health Organization; 2001.
- (3) Sosial- og helsedirektoratet. Internasjonal klassifikasjon av funksjon, funksjonshemming og helse. Sosial- og helsedirektoratet; 2003.
- (4) Alderson P, Green S, Higgins JPT, (ed.). Cochrane reviewers' handbook 4.2.2 (updated march 2004). 2004. In: The cochrane library, Issue 1, 2004, Chichester, UK: John Wiley & Sons, Ltd.
Ref Type: Report
- (5) Nieuwboer A, Rochester L, Jones D. Cueing gait and gait-related mobility in patients with Parkinson's disease: developing a therapeutic method based on the International Classification of Functioning, Disability, and Health. Topics in Geriatric Rehabilitation 2008; 24(2):151-165.
- (6) Leyshon RT, Shaw LE. Using the ICF as a conceptual framework to guide ergonomic intervention in occupational rehabilitation... International Classification of Functioning, Disability, and Health. Work 2008; 31(1):47-61.
- (7) Daremo A, Haglund L. Activity and participation in psychiatric institutional care. Scandinavian Journal of Occupational Therapy 2008; 15(3):131-142.
- (8) Ehlebracht-K+Ânig I, Mau W. [Rheumatological rehabilitation today : Exemplified by two case reports.]. Zeitschrift F++r Rheumatologie 2008; 67(7):554-564.

- (9) Darrah J, Wiart L, Magill-Evans J. Do therapists' goals and interventions for children with cerebral palsy reflect principles in contemporary literature? *Pediatric Physical Therapy* 2008; 20(4):334-339.
- (10) Nijhuis BJJ, Reinders-Messelink HA, de Bl+@court ACE, Ties JG, Boonstra AM, Groothoff JW et al. Needs, problems and rehabilitation goals of young children with cerebral palsy as formulated in the rehabilitation activities profile for children. *Journal of Rehabilitation Medicine* 2008; 40(5):347-354.
- (11) Nijhuis BJJ, Reinders-Messelink HA, de Bl+@court ACE, Boonstra AM, Calam+® EHM, Groothoff JW et al. Goal setting in Dutch paediatric rehabilitation. Are the needs and principal problems of children with cerebral palsy integrated into their rehabilitation goals? *Clinical Rehabilitation* 2008; 22(4):348-363.
- (12) Sanderson K, Nicholson J, Graves N, Tilse E, Oldenburg B. Mental health in the workplace: using the ICF to model the prospective associations between symptoms, activities, participation and environmental factors. *Disability and Rehabilitation* 2008; 30(17):1289-1297.
- (13) Tobin C, Hevey D, Horgan NF, Coen RF, Cunningham CJ. Health-related quality of life of stroke survivors attending the volunteer stroke scheme. *Irish Journal Of Medical Science* 2008; 177(1):43-47.
- (14) Gaidhane AM, Zahiruddin QS, Waghmare L, Zodpey S, Goyal RC, Johrapurkar SR. Assessing self-care component of activities and participation domain of the international classification of functioning, disability and health (ICF) among people living with HIV/AIDS. *AIDS Care* 2008; 20(9):1098-1104.
- (15) Russo RN, Miller MD, Haan E, Cameron ID, Crotty M. Pain characteristics and their association with quality of life and self-concept in children with hemiplegic cerebral palsy identified from a population register. *Clinical Journal of Pain* 2008; 24(4):335-342.
- (16) Caty GD, Arnould C, Stoquart GG, Thonnard JL, Lejeune TM. ABILOCO: a Rasch-built 13-item questionnaire to assess locomotion ability in stroke patients. *Archives of Physical Medicine & Rehabilitation* 2008; 89(2):284-290.
- (17) Tschiesner U, Rogers SN, Harr+®us U, Berghaus A, Cieza A. Content comparison of quality of life questionnaires used in head and neck cancer based on the international classification of functioning, disability and health: a systematic review. *European Archives Of Oto-Rhino-Laryngology: Official Journal Of The European Federation Of Oto-Rhino-Laryngological Societies (EUFOS): Affiliated With The German Society For Oto-Rhino-Laryngology - Head And Neck Surgery* 2008; 265(6):627-637.
- (18) Wynia K, Middel B, van Dijk JP, De Keyser JHA, Reijneveld SA. The impact of disabilities on quality of life in people with multiple sclerosis. *Multiple Sclerosis (Houndmills, Basingstoke, England)* 2008; 14(7):972-980.

- (19) Magasi SR, Heinemann AW, Whiteneck GG. Participation following traumatic spinal cord injury: an evidence-based review for research. *The Journal Of Spinal Cord Medicine* 2008; 31(2):145-156.
- (20) Rat AC, Guillemin F, Pouchot J. Mapping the osteoarthritis knee and hip quality of life (OAKHQOL) instrument to the international classification of functioning, disability and health and comparison to five health status instruments used in osteoarthritis. *Rheumatology (Oxford, England)* 2008; 47(11):1719-1725.
- (21) Janssens L, Gorter JW, Ketelaar M, Kramer WLM, Holtslag HR. Health-related quality-of-life measures for long-term follow-up in children after major trauma. *Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation* 2008; 17(5):701-713.
- (22) Olusanya BO, Somefun AO, Swanepoel DW. The need for standardization of methods for worldwide infant hearing screening: a systematic review. *The Laryngoscope* 2008; 118(10):1830-1836.
- (23) Moriello C, Byrne K, Cieza A, Nash C, Stolee P, Mayo N. Mapping the Stroke Impact Scale (SIS-16) to the international classification of Functioning, Disability and Health. *Journal of Rehabilitation Medicine* 2008; 40(2):102-106.
- (24) Bautz-Holter E, Sveen U, Cieza A, Geyh S, R+©e C. Does the International Classification of Functioning, Disability and Health (ICF) Core Set for low back pain cover the patients' problems? A cross-sectional content-validity study with a Norwegian population. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(4):387-397.
- (25) Paul B, Leitner C, Vacariu G, Wick F, Zehetmayer S, Matzner M et al. Low-back pain assessment based on the Brief ICF Core Sets: diagnostic relevance of motor performance and psychological tests... *International Classification of Functioning, Disability and Health (ICF). American Journal of Physical Medicine & Rehabilitation* 2008; 87(6):452-460.
- (26) Pisoni C, Giardini A, Majani G, Maini M. International Classification of Functioning, Disability and Health (ICF) Core Sets for osteoarthritis. A useful tool in the follow-up of patients after joint arthroplasty. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(4):377-385.
- (27) Juckel G, Morosini PL. The new approach: psychosocial functioning as a necessary outcome criterion for therapeutic success in schizophrenia. *Current Opinion In Psychiatry* 2008; 21(6):630-639.
- (28) Juckel G, Schaub D, Fuchs N, Naumann U, Uhl I, Witthaus H et al. Validation of the Personal and Social Performance (PSP) Scale in a German sample of acutely ill patients with schizophrenia. *Schizophrenia Research* 2008; 104(1-3):287-293.
- (29) Coster W, Khetani MA. Measuring participation of children with disabilities: issues and challenges. *Disability & Rehabilitation* 2008; 30(8):639-648.

- (30) Paltamaa J, Sarasoja T, Leskinen E, Wikstrom J, Malkia E. Measuring deterioration in International Classification of Functioning domains of people with multiple sclerosis who are ambulatory. *Physical Therapy* 2008; 88(2):176-190.
- (31) Bowden MG, Hannold EM, Nair PM, Fuller LB, Behrman AL. Beyond gait speed: a case report of a multidimensional approach to locomotor rehabilitation outcomes in incomplete spinal cord injury. *Journal Of Neurologic Physical Therapy: JNPT* 2008; 32(3):129-138.
- (32) Verbunt JA, Seelen HAM, Ramos FP, Michielsen BHM, Wetzelaer WL, Moenekens M. Mental practice-based rehabilitation training to improve arm function and daily activity performance in stroke patients: a randomized clinical trial. *BMC Neurology* 2008; 8:7.
- (33) J+Ânsson G, Ekholm J, Schult M. The International Classification of Functioning, Disability and Health environmental factors as facilitators or barriers used in describing personal and social networks: a pilot study of adults with cerebral palsy. *International Journal of Rehabilitation Research* 2008; 31(2):119-129.
- (34) Schneider M, Manabile E, Tikly M. Social aspects of living with rheumatoid arthritis: a qualitative descriptive study in Soweto, South Africa - a low resource context. *Health And Quality Of Life Outcomes* 2008; 6:54.
- (35) Henderson S, Skelton H, Rosenbaum P. Assistive devices for children with functional impairments: impact on child and caregiver function. *Developmental Medicine & Child Neurology* 2008; 50(2):89-98.
- (36) Haglund L, Kjellberg A. A critical analysis of the Model of Human Occupation. *Canadian Journal of Occupational Therapy* 1999; 66(2):102-108.

Vedlegg 1: Oversikt over referanser av alle identifiserte studier (n= 173)

Denne oversikten viser alle studier vi fant for publiseringsåret 2008, sortert alfabetisk. Referansene gir forfattere, tittel, publiseringskanal/tidsskrift, volum, nummer og sidetall.

Allet L, Borge E, Monnin D. ICF: clinical relevance for physiotherapy? A critical review. *Advances in Physiotherapy* 2008; 10(3):127-137.

Allet L, Cieza A, Borge E, Finger M, Stucki G, Monnin D et al. ICF intervention categories for physiotherapy in the treatment of patients with musculoskeletal conditions [French]. *Kinesitherapie Revue* 2008;(73):19-28.

Anttila H, Rintamäki I, Suoranta J, Mäkelä M, Malmivaara A. Effectiveness of physical therapy interventions for children with cerebral palsy: a systematic review. *BMC Pediatrics* 2008; 8:14.

Badley EM. Enhancing the conceptual clarity of the activity and participation components of the International Classification of Functioning, Disability, and Health. *Social Science & Medicine* 2008; 66(11):2335-2345.

Batal I, Zeevi A, Heider A, Girnita A, Basu A, Tan H et al. Measurements of global cell-mediated immunity in renal transplant recipients with BK virus reactivation. *American Journal Of Clinical Pathology* 2008; 129(4):587-591.

Bautz-Holter E, Sveen U, Cieza A, Geyh S, Reiche C. Does the International Classification of Functioning, Disability and Health (ICF) Core Set for low back pain cover the patients' problems? A cross-sectional content-validity study with a Norwegian population. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(4):387-397.

Berger S, Porell F. The association between low vision and function. *Journal of Aging & Health* 2008; 20(5):504-525.

Bickenbach JE. ICF and the allied health professions. *Advances in Physiotherapy* 2008; 10(3):108-109.

Bonetti D, Johnston M. Perceived control predicting the recovery of individual-specific walking behaviours following stroke: Testing psychological models and constructs. *British Journal Of Health Psychology* 2008; 13(3):463-478.

Bowden MG, Hannold EM, Nair PM, Fuller LB, Behrman AL. Beyond gait speed: a case report of a multidimensional approach to locomotor rehabilitation outcomes in incomplete spinal cord injury. *Journal Of Neurologic Physical Therapy: JNPT* 2008; 32(3):129-138.

Brage E, Cieza A, Allet L, Finger ME, Stucki G, Favai CK et al. ICF intervention categories for physiotherapy in the treatment of patients with internal medicine conditions [French]. *Kinesitherapie Revue* 2008;(73):40-49.

Brage E, Cieza A, Allet L, Finger ME, Stucki G, Huber EO. Intervention categories for physiotherapists treating patients with internal medicine conditions on the basis of the International Classification of Functioning Disability and Health. *International Journal of Rehabilitation Research* 2008; 31(1):43-50.

Brage S, Donceel P, Falez F. Development of ICF core set for disability evaluation in social security. *Disability and Rehabilitation* 2008; 30(18):1392-1396.

Brown JE, Hasselkus AL. Professional associations' role in advancing the ICF in speech-language pathology. *International Journal of Speech-Language Pathology* 2008; 10(1):78-82.

Bufka LF, Stewart D, Stark S. Letter to the editor... a recent study conducted by Farrell and colleagues (published in the Canadian Journal of Occupational Therapy 2007 Special Edition on the ICF). *Canadian Journal of Occupational Therapy* 2008; 75(3):134.

Bufka LF, Stewart D, Stark S. The International Classification of Functioning, Disability and Health (ICF) is emerging as the principal framework for the description of health and health related status. *Canadian Journal Of Occupational Therapy Revue Canadienne D'ergotherapie* 2008; 75(3):134.

Caty GD, Arnould C, Stoquart GG, Thonnard JL, Lejeune TM. ABILOCO: a Rasch-built 13-item questionnaire to assess locomotion ability in stroke patients. *Archives of Physical Medicine & Rehabilitation* 2008; 89(2):284-290.

Chandler JR, Dunny GM. Characterization of the sequence specificity determinants required for processing and control of sex pheromone by the intramembrane protease Eep and the plasmid-encoded protein PrgY. *Journal Of Bacteriology* 2008; 190(4):1172-1183.

Childs JD, Cleland JA, Elliott JM, Teyhen DS, Wainner RS, Whitman JM et al. Neck pain. *The Journal Of Orthopaedic And Sports Physical Therapy* 2008; 38(9):A1-a34.

Chung J, Evans J, Lee C, Lee J, Rabbani Y, Roxborough L et al. Effectiveness of adaptive seating on sitting posture and postural control in children with cerebral palsy. *Pediatric Physical Therapy* 2008; 20(4):303-317.

Cieza A, Bickenbach J, Chatterji S. The ICF as a conceptual platform to specify and discuss health and health-related concepts. *Gesundheitswesen (Bundesverband Der +ärzte Des +üffentlichen Gesundheitsdienstes (Germany))* 2008; 70(10):e47-e56.

Cieza A, Stucki G. The International Classification of Functioning Disability and Health: its development process and content validity. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(3):303-313.

Collier L, Truman J. Exploring the multi-sensory environment as a leisure resource for people with complex neurological disabilities. *NeuroRehabilitation* 2008; 23(4):361-367.

Coster W, Khetani MA. Measuring participation of children with disabilities: issues and challenges. *Disability & Rehabilitation* 2008; 30(8):639-648.

Cruice M. The contribution and impact of the International Classification of Functioning, Disability and Health on quality of life in communication disorders. *International Journal of Speech-Language Pathology* 2008; 10(1):38-49.

Dalemans RJP, De Witte LP, Wade DT, WJA. A description of social participation in working-age persons with aphasia: a review of the literature. *Aphasiology* 2008; 22(10):1071-1091.

Daremo A, Haglund L. Activity and participation in psychiatric institutional care. *Scandinavian Journal of Occupational Therapy* 2008; 15(3):131-142.

Darrah J, Wiart L, Magill-Evans J. Do therapists' goals and interventions for children with cerebral palsy reflect principles in contemporary literature? *Pediatric Physical Therapy* 2008; 20(4):334-339.

Darrah J. Using the ICF as a framework for clinical decision making in pediatric physical therapy. *Advances in Physiotherapy* 2008; 10(3):146-151.

de Boer W, Donceel P, Brage S, Rus M, Willems J. Medico-legal reasoning in disability assessment: a focus group and validation study. *BMC Public Health* 2008; 8:335.

Dean E. Mobilizing patients in the ICU: evidence and principles of practice. *Acute Care Perspectives* 2008; 17(1):1.

Dedini RD, Bagley AM, Molitor F, James MA. Comparison of pediatric outcomes data collection instrument scores and range of motion before and after shoulder tendon transfers for children with brachial plexus birth palsy. *Journal Of Pediatric Orthopedics* 2008; 28(2):259-264.

Denoyer D, Labarre P, Papon J, Miot-Noirault E, Galmier MJ, Madelmont JC et al. Development of a high-performance liquid chromatographic method for the determination of a new potent radioiodinated melanoma imaging and therapeutic agent. *Journal Of Chromatography B, Analytical Technologies In The Biomedical And Life Sciences* 2008; 875(2):411-418.

Dixon D, Rowley D, Johnston M, Pollard B. Using the ICF and psychological models of behavior to predict mobility limitations. *Rehabilitation Psychology* 2008; 53(2):191-200.

Dixon D, Johnston M. Cognitive representations of disability behaviours in people with mobility limitations: consistency with theoretical constructs. *Disability & Rehabilitation* 2008; 30(2):126-133.

Dixon D, Johnston M, McQueen M, Court-Brown C. The Disabilities of the Arm, Shoulder and Hand Questionnaire (DASH) can measure the impairment, activity limitations and participation restriction constructs from the International Classification of Functioning, Disability and Health (ICF). *BMC Musculoskeletal Disorders* 2008; 9:114.

Drnach M, Batel S. Moving with the ICF. *Rehab Management: The Interdisciplinary Journal of Rehabilitation* 2008; 21:22-24.

- Duggan CH, Albright KJ, Lequerica A. Using the ICF to code and analyse women's disability narratives. *Disability & Rehabilitation* 2008; 30(12-13):978-990.
- Ehlebracht-K+Ânig I, Mau W. [Rheumatological rehabilitation today : Exemplified by two case reports.]. *Zeitschrift F+r Rheumatologie* 2008; 67(7):554-564.
- Eide AH, Jelsma J, Loeb M, Maart S, Toni MK. Exploring ICF components in a survey among Xhosa speakers in Eastern & Western Cape, South Africa. *Disability & Rehabilitation* 2008; 30(11):819-829.
- Ewert T, Freudenstein R, Stucki G. [ICF in social medicine]. *Gesundheitswesen (Bundesverband Der +ärzte Des +üffentlichen Gesundheitsdienstes (Germany))* 2008; 70(10):600.
- Fabian ES, McInerney M, dos Santos Rodrigues P. International education in rehabilitation. *Rehabilitation Education* 2005; 19(1):1-24.
- Farin E. [Patient orientation and reference to the ICF as challenges in outcome assessment in rehabilitation]. *Die Rehabilitation* 2008; 47(2):67-76.
- Finch LE, Higgins J, Wood-Dauphinee S, Mayo NE. A measure of early physical functioning (EPF) post-stroke. *Journal of Rehabilitation Medicine* 2008; 40(7):508-517.
- Finger ME, Cieza A, Allet L, B+rge E, Baumann Y, Albert S et al. ICF intervention categories for physiotherapy in the treatment of patients with neurological conditions [French]. *Kinesitherapie Revue* 2008;(73):29-39.
- Foley G. Occupational therapy in progressive neurology: a rehabilitative approach. *British Journal of Occupational Therapy* 2008; 71(7):308-310.
- Fries W, Fischer S. [Participation Limitations Following Acquired Brain Damage: A Pilot Study on the Relationship Among Functional Disorders as well as Personal and Environmental Context Factors.]. *Die Rehabilitation* 2008; 47(5):265-274.
- Froehlich-Grobe K, Andresen EM, Caburnay C, White GW. Measuring health-related quality of life for persons with mobility impairments: an enabled version of the short-form 36 (SF-36E). *Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation* 2008; 17(5):751-770.
- Frontera WR, Grimby G, Basford J, Muller D, Ring H. Publishing in physical and rehabilitation medicine. *Disability & Rehabilitation* 2008; 30(7):487-492.
- Frontera WR, Grimby G, Basford J, Muller D, Ring H. Publishing in physical and rehabilitation medicine. *American Journal of Physical Medicine & Rehabilitation* 2008; 87(3):215-220.
- Frontera WR, Grimby G, Basford J, M++ller D, Ring H. Publishing in physical and rehabilitation medicine. *Journal of Rehabilitation Medicine* 2008; 40(3):161-165.
- Gaidhane AM, Zahiruddin QS, Waghmare L, Zodpey S, Goyal RC, Johrapurkar SR. Assessing self-care component of activities and participation domain of the international classification of functioning, disability and health (ICF) among people living with HIV/AIDS. *AIDS Care* 2008; 20(9):1098-1104.
- Geertzen JHB. Moving beyond Disability. *Prosthetics And Orthotics International* 2008; 32(3):276-281.
- Gladman JRF. The international classification of functioning, disability and health and its value to rehabilitation and geriatric medicine. *Journal Of The Chinese Medical Association: JCMA* 2008; 71(6):275-278.
- Godges JJ, Irrgang JJ. Guest editorial. ICF-based practice guidelines for common musculoskeletal conditions. *Journal of Orthopaedic & Sports Physical Therapy* 2008; 38(4):167-168.
- Godges JJ, Irrgang JJ. ICF-based practice guidelines for common musculoskeletal conditions. *The Journal Of Orthopaedic And Sports Physical Therapy* 2008; 38(4):167-168.
- Graham SK, Cameron ID. Assessing outcomes in an Australian rehabilitation service: using an ICF-based approach. *International Journal of Therapy & Rehabilitation* 2008; 15(9):392-399.
- Gray LA, Msall ER, Msall ME. Communicating about autism: decreasing fears and stresses through parent-professional partnerships. *Infants & Young Children: An Interdisciplinary Journal of Special Care Practices* 2008; 21(4):256-271.

- Greig C, Harper R, Hirst T, Howe T, Davidson B. Barriers and facilitators to mobile phone use for people with aphasia. *Topics in Stroke Rehabilitation* 2008; 15(4):307-324.
- Griffiths K, Campbell M. Regulating the regulators: Paving the way for international, evidence-based coaching standards. *International Journal of Evidence Based Coaching and Mentoring* 2008; 6(1):19-31.
- Guptill C. Musicians' health: applying the ICF framework in research. *Disability & Rehabilitation* 2008; 30(12-13):970-977.
- Helgeson K, Smith AR, Jr. Process for applying the International Classification of Functioning, Disability and Health model to a patient with patellar dislocation. *Physical Therapy* 2008; 88(8):956-964.
- Henderson S, Skelton H, Rosenbaum P. Assistive devices for children with functional impairments: impact on child and caregiver function. *Developmental Medicine & Child Neurology* 2008; 50(2):89-98.
- Herrmann S, Ragan BG. Outcome assessment part 2: measurement of person-environment interaction. *Athletic Therapy Today* 2008; 13(2):29-33.
- Hocking C, Ness NE. WFOT minimum standards for the education of occupational therapists: shaping the profession. *WFOT Bulletin* 2004; 50:9-17.
- Holland AL. Recent advances and future directions in aphasia therapy. *Brain Impairment* 2008; 9(2):179-190.
- Holmberg TS, Lindmark B. How do physiotherapists treat patients with traumatic brain injury? *Advances in Physiotherapy* 2008; 10(3):138-145.
- Homa DB, Peterson DB. Using the International Classification of Functioning, Disability and Health (ICF) in teaching rehabilitation client assessment. *Rehabilitation Education* 2005; 19(2-3):119-128.
- Howard D, Nieuwenhuijsen ER, Saleeby P. Health promotion and education: application of the ICF in the US and Canada using an ecological perspective. *Disability & Rehabilitation* 2008; 30(12-13):942-954.
- Howard D. Older men and prostate cancer: ICF-based implications for leisure and quality of life. *Annual in Therapeutic Recreation* 2008; 16:57-70.
- Howe TJ. The ICF Contextual Factors related to speech-language pathology. *International Journal of Speech-Language Pathology* 2008; 10(1):27-37.
- Huber EO, Cieza A. Implementation of the ICF in clinical physiotherapy [sic] practice [French]. *Kinesitherapie Revue* 2008;(73):12-18.
- J+Ânsson G, Ekholm J, Schult M. The International Classification of Functioning, Disability and Health environmental factors as facilitators or barriers used in describing personal and social networks: a pilot study of adults with cerebral palsy. *International Journal of Rehabilitation Research* 2008; 31(2):119-129.
- Janssens L, Gorter JW, Ketelaar M, Kramer WLM, Holtslag HR. Health-related quality-of-life measures for long-term follow-up in children after major trauma. *Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation* 2008; 17(5):701-713.
- Jelsma J, Maart S, Eide A, Toni M, Loeb M. Who gets the disability grant in South Africa? An analysis of the characteristics of recipients in urban and rural areas. *Disability & Rehabilitation* 2008; 30(15):1139-1145.
- Jelsma J, Mkoka S, Amosun SL. Health-related quality of life (HRQoL) domains most valued by urban IsiXhosa-speaking people. *Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation* 2008; 17(2):347-355.
- Jelsma J, Mkoka S, Amosun SL. Health-related quality of life (HRQoL) domains most valued by urban isiXhosa-speaking people. *Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation* 2008; 17(1):137-145.
- Jette AM, Norweg A, Haley SM. Achieving meaningful measurements of ICF concepts. *Disability & Rehabilitation* 2008; 30(12-13):963-969.
- Jones GC, Sinclair LB. Multiple health disparities among minority adults with mobility limitations: an application of the ICF framework and codes. *Disability & Rehabilitation* 2008; 30(12-13):901-915.

- Juckel G, Morosini PL. The new approach: psychosocial functioning as a necessary outcome criterion for therapeutic success in schizophrenia. *Current Opinion In Psychiatry* 2008; 21(6):630-639.
- Juckel G, Schaub D, Fuchs N, Naumann U, Uhl I, Witthaus H et al. Validation of the Personal and Social Performance (PSP) Scale in a German sample of acutely ill patients with schizophrenia. *Schizophrenia Research* 2008; 104(1-3):287-293.
- Juhakoski R, Tenhonen S, Anttonen T, Kauppinen T, Arokoski JP. Factors affecting self-reported pain and physical function in patients with hip osteoarthritis. *Archives of Physical Medicine & Rehabilitation* 2008; 89(6):1066-1073.
- Kennedy MRT, Coelho C, Turkstra L, Ylvisaker M, Moore Sohlberg M, Yorkston K et al. Intervention for executive functions after traumatic brain injury: a systematic review, meta-analysis and clinical recommendations. *Neuropsychological Rehabilitation* 2008; 18(3):257-299.
- Kennedy V, Stephens D, Fitzmaurice P. The impact of cochlear implants from the perspective of significant others of adult cochlear implant users. *Otology & Neurotology: Official Publication Of The American Otological Society, American Neurotology Society [And] European Academy Of Otology And Neurotology* 2008; 29(5):607-614.
- Kesselring J, Coenen M, Cieza A, Thompson A, Kostanjsek N, Stucki G. Developing the ICF Core Sets for multiple sclerosis to specify functioning. *Multiple Sclerosis (Houndmills, Basingstoke, England)* 2008; 14(2):252-254.
- Khan F, Ng L, Gonzalez S, Hale T, Turner-Stokes L. Multidisciplinary rehabilitation programmes following joint replacement at the hip and knee in chronic arthropathy. *Cochrane Database of Systematic Reviews* 2008;(2).
- Kilde T, Jørgensen MJ, Fog L. Principles of neurorehabilitative nursing [Danish]. *Sygeplejersken / Danish Journal of Nursing* 2008; 108(10):56-61.
- Kirchberger I, Cieza A, Stucki G. Validation of the Comprehensive ICF Core Set for rheumatoid arthritis: the perspective of psychologists. *Psychology & Health* 2008; 23(6):639-659.
- Leitner A, Kaluscha R, Jacobi E. [The ICF in use: testing of a new concept in four clinics]. *Die Rehabilitation* 2008; 47(4):226-235.
- Leyshon RT, Shaw LE. Using the ICF as a conceptual framework to guide ergonomic intervention in occupational rehabilitation... *International Classification of Functioning, Disability, and Health. Work* 2008; 31(1):47-61.
- Ma EPM, Threats TT, Worrall LE. An introduction to the International Classification of Functioning, Disability and Health (ICF) for speech-language pathology: Its past, present and future. *International Journal of Speech-Language Pathology* 2008; 10(1):2-8.
- Magasi SR, Heinemann AW, Whiteneck GG. Participation following traumatic spinal cord injury: an evidence-based review for research. *The Journal Of Spinal Cord Medicine* 2008; 31(2):145-156.
- Maini M, Nocentini U, Prevedini A, Giardini A, Muscolo E. An Italian experience in the ICF implementation in rehabilitation: preliminary theoretical and practical considerations. *Disability & Rehabilitation* 2008; 30(15):1146-1152.
- Martin A, Burtner PA, Poole J, Phillips J. Case report: ICF-level changes in a preschooler after constraint-induced movement therapy. *American Journal of Occupational Therapy* 2008; 62(3):282-288.
- Martinuzzi A, Frare M, Pradal M, Mion M, Dugone S, Durante M et al. Disseminating the WHO International Classification of Functioning Health and Disability (ICF) in the Veneto region of Italy. *Disability & Rehabilitation* 2008; 30(1):71-80.
- Masala C, Petretto DR. From disablement to enablement: Conceptual models of disability in the 20th century. *Disability and Rehabilitation* 2008; 30(17):1233-1244.
- McCormack J, Worrall LE. The ICF Body Functions and Structures related to speech-language pathology. *International Journal of Speech-Language Pathology* 2008; 10(1):9-17.
- McDuffee SC, Frenje JA, Sanguin FH, Leiter R, Canavan MJ, Casey DT et al. An accelerator based fusion-product source for development of inertial confinement fusion nuclear diagnostics. *The Review Of Scientific Instruments* 2008; 79(4):043302.
- McLeod S, Threats TT. The ICF-CY and children with communication disabilities. *International Journal of Speech-Language Pathology* 2008; 10(1):92-109.

- McPoil TG, Martin RL, Cornwall MW, Wukich DK, Irrgang JJ, Godges JJ. Heel pain--plantar fasciitis: clinical practice guidelines linked to the international classification of function, disability, and health from the orthopaedic section of the American Physical Therapy Association. *The Journal Of Orthopaedic And Sports Physical Therapy* 2008; 38(4):A1-a18.
- Medina CA, Croce C, Candiotti K, Takacs P. Comparison of vaginal length after iliococcygeus fixation and sacrospinous ligament fixation. *International Journal Of Gynaecology And Obstetrics: The Official Organ Of The International Federation Of Gynaecology And Obstetrics* 2008; 100(3):267-270.
- Misajon R, Pallant JF, Manderson L, Chirawatkul S. Measuring the impact of health problems among adults with limited mobility in Thailand: further validation of the Perceived Impact of Problem Profile. *Health And Quality Of Life Outcomes* 2008; 6:6.
- Mitchell L. Can the International Classification of Functioning, Disability and Health (ICF) provide high-level descriptions of Scottish physiotherapy cases? *Advances in Physiotherapy* 2008; 10(3):119-126.
- Mittrach R, Grill E, Walchner-Bonjean M, Scheuringer M, Boldt C, Huber EO et al. Goals of physiotherapy interventions can be described using the International Classification of Functioning, Disability and Health. *Physiotherapy* 2008; 94(2):150-157.
- Molet M, Van Baalen M, Peeters C. Shift in colonial reproductive strategy associated with a tropical-temperate gradient in *Rhytidoponera* ants. *The American Naturalist* 2008; 172(1):75-87.
- Moriello C, Byrne K, Cieza A, Nash C, Stolee P, Mayo N. Mapping the Stroke Impact Scale (SIS-16) to the international classification of Functioning, Disability and Health. *Journal of Rehabilitation Medicine* 2008; 40(2):102-106.
- Mortenson WB, Miller WC, Auger C. Issues for the selection of wheelchair-specific activity and participation outcome measures: a review. *Archives of Physical Medicine & Rehabilitation* 2008; 89(6):1177-1186.
- Mueller M, Boldt C, Grill E, Strobl R, Stucki G. Identification of ICF categories relevant for nursing in the situation of acute and early post-acute rehabilitation. *BMC Nursing* 2008; 7:3.
- Mulhorn KA, Threats TT. Speech, hearing, and communication across five national disability surveys: Results of a DISTAB study using the ICF to compare prevalence patterns. *International Journal of Speech-Language Pathology* 2008; 10(1):61-71.
- Nieuwboer A, Rochester L, Jones D. Cueing gait and gait-related mobility in patients with Parkinson's disease: developing a therapeutic method based on the International Classification of Functioning, Disability, and Health. *Topics in Geriatric Rehabilitation* 2008; 24(2):151-165.
- Nijhuis BJB, Reinders-Messelink HA, de Bl+@court ACE, Ties JG, Boonstra AM, Groothoff JW et al. Needs, problems and rehabilitation goals of young children with cerebral palsy as formulated in the rehabilitation activities profile for children. *Journal of Rehabilitation Medicine* 2008; 40(5):347-354.
- Nijhuis BJB, Reinders-Messelink HA, de Bl+@court ACE, Boonstra AM, Calam+® EHM, Groothoff JW et al. Goal setting in Dutch paediatric rehabilitation. Are the needs and principal problems of children with cerebral palsy integrated into their rehabilitation goals? *Clinical Rehabilitation* 2008; 22(4):348-363.
- O'Halloran R, Hickson L, Worrall L. Environmental factors that influence communication between people with communication disability and their healthcare providers in hospital: a review of the literature within the International Classification of Functioning, Disability and Health (ICF) framework. *International Journal Of Language & Communication Disorders / Royal College Of Speech & Language Therapists* 2008; 43(6):601-632.
- O'Halloran R, Larkins B. The ICF Activities and Participation related to speech-language pathology. *International Journal of Speech-Language Pathology* 2008; 10(1):18-26.
- Okawa Y, Ueda S. Implementation of the International Classification of Functioning, Disability and Health in national legislation and policy in Japan. *International Journal of Rehabilitation Research* 2008; 31(1):73-77.
- Okawa Y, Ueda S, Shuto K, Mizoguchi T. Development of criteria for the qualifiers of activity and participation in the 'International Classification of Functioning, Disability and Health' based on the accumulated data of population surveys. *International Journal of Rehabilitation Research* 2008; 31(1):97-103.
- Olusanya BO, Somefun AO, Swanepoel DW. The need for standardization of methods for worldwide infant hearing screening: a systematic review. *The Laryngoscope* 2008; 118(10):1830-1836.

- Paltamaa J, Sarasoja T, Leskinen E, Wikstrom J, Malkia E. Measuring deterioration in International Classification of Functioning domains of people with multiple sclerosis who are ambulatory. *Physical Therapy* 2008; 88(2):176-190.
- Parush S, Rihtman T. Participation of children with cerebral palsy in leisure activities supports the current ICF health paradigm. *Developmental Medicine & Child Neurology* 2008; 50(10):726.
- Parush S, Rihtman T. Participation of children with cerebral palsy in leisure activities supports the current ICF health paradigm. *Developmental Medicine And Child Neurology* 2008; 50(10):726.
- Paul B, Leitner C, Vacariu G, Wick F, Zehetmayer S, Matzner M et al. Low-back pain assessment based on the Brief ICF Core Sets: diagnostic relevance of motor performance and psychological tests... *International Classification of Functioning, Disability and Health (ICF)*. *American Journal of Physical Medicine & Rehabilitation* 2008; 87(6):452-460.
- Pieterse AJ, Cup EHC, Knuijt S, Hendricks HT, van Engelen BGM, G et al. Development of a tool to guide referral of patients with neuromuscular disorders to allied health services. Part one. *Disability & Rehabilitation* 2008; 30(11):855-862.
- Pisoni C, Giardini A, Majani G, Maini M. International Classification of Functioning, Disability and Health (ICF) Core Sets for osteoarthritis. A useful tool in the follow-up of patients after joint arthroplasty. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(4):377-385.
- Post MWM, De Witte LP, Reichrath E, Verdonshot MM, Wijlhuizen GJ, Perenboom RJM. Development and validation of IMPACT-S, an ICF-based questionnaire to measure activities and participation. *Journal of Rehabilitation Medicine* 2008; 40(8):620-627.
- Prodinge B, Cieza A, Williams DA, Mease P, Boonen A, Kersch-Schindl K et al. Measuring health in patients with fibromyalgia: content comparison of questionnaires based on the International Classification of Functioning, Disability and Health. *Arthritis & Rheumatism: Arthritis Care & Research* 2008; 59(5):650-658.
- Rat AC, Guillemin F, Pouchot J. Mapping the osteoarthritis knee and hip quality of life (OAKHQOL) instrument to the international classification of functioning, disability and health and comparison to five health status instruments used in osteoarthritis. *Rheumatology (Oxford, England)* 2008; 47(11):1719-1725.
- Rauch A, Cieza A, Stucki G. How to apply the International Classification of Functioning, Disability and Health (ICF) for rehabilitation management in clinical practice. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(3):329-342.
- Ravnborg M, Storr L. [Is "quality of life" a relevant goal in clinical studies of rehabilitation?]. *Ugeskrift For Laeger* 2008; 170(10):859-861.
- Reed GM, Dilfer K, Bufka LF, Scherer MJ, Kotze P, Tshivhase M et al. Three model curricula for teaching clinicians to use the ICF. *Disability & Rehabilitation* 2008; 30(12-13):927-941.
- Rejeski WJ, Ip EH, Marsh AP, Miller ME, Farmer DF. Measuring disability in older adults: the International Classification System of Functioning, Disability and Health (ICF) framework. *Geriatrics & Gerontology International* 2008; 8(1):48-54.
- Richardson B. Rehabilitation, lifestyle and the ICF -- do they match? *Advances in Physiotherapy* 2008; 10(3):105-107.
- Riddle DL, Stratford PW, Bowman DH. Findings of extensive variation in the types of outcome measures used in hip and knee replacement clinical trials: a systematic review. *Arthritis And Rheumatism* 2008; 59(6):876-883.
- Russo RN, Miller MD, Haan E, Cameron ID, Crotty M. Pain characteristics and their association with quality of life and self-concept in children with hemiplegic cerebral palsy identified from a population register. *Clinical Journal of Pain* 2008; 24(4):335-342.
- Ryan CA, Stiell KM, Gailey GF, Makinen JA. Evaluating a family centered approach to leisure education and community reintegration following a stroke. *Therapeutic Recreation Journal* 2008; 42(2):119-131.
- Saleh MN, Korner-Bitensky N, Snider L, Malouin F, Mazer B, Kennedy E et al. Actual vs. best practices for young children with cerebral palsy: a survey of paediatric occupational therapists and physical therapists in Quebec, Canada. *Developmental Neurorehabilitation* 2008; 11(1):60-80.
- Sanderson K, Nicholson J, Graves N, Tilse E, Oldenburg B. Mental health in the workplace: using the ICF to model the prospective associations between symptoms, activities, participation and environmental factors. *Disability and Rehabilitation* 2008; 30(17):1289-1297.

- Saunders K, Merikangas K, Low NC, Von Korff M, Kessler RC. Impact of comorbidity on headache-related disability. *Neurology* 2008; 70(7):538-547.
- Scherer MJ, Dicowden MA. Organizing future research and intervention efforts on the impact and effects of gender differences on disability and rehabilitation: the usefulness of the International Classification of Functioning, Disability and Health (ICF). *Disability & Rehabilitation* 2008; 30(3):161-165.
- Schlote A, Richter M, Wunderlich MT, Poppendick U, Moller C, Wallesch CW. Use of the WHODAS II with stroke patients and their relatives: reliability and inter-rater-reliability [German]. *Rehabilitation* 2008; 47(1):31-38.
- Schneider M, Manabile E, Tikly M. Social aspects of living with rheumatoid arthritis: a qualitative descriptive study in Soweto, South Africa - a low resource context. *Health And Quality Of Life Outcomes* 2008; 6:54.
- Schraner I, de Jonge D, Layton N, Bringolf J, Molenda A. Using the ICF in economic analyses of Assistive Technology systems: methodological implications of a user standpoint. *Disability & Rehabilitation* 2008; 30(12-13):916-926.
- Schwarzkopf SR, Ewert T, Dreinhöfer KE, Cieza A, Stucki G. Towards an ICF Core Set for chronic musculoskeletal conditions: commonalities across ICF Core Sets for osteoarthritis, rheumatoid arthritis, osteoporosis, low back pain and chronic widespread pain. *Clinical Rheumatology* 2008; 27(11):1355-1361.
- Seelman KD. Converging, pervasive technologies: chronic and emerging issues and policy adequacy. *Assistive Technology: The Official Journal Of RESNA* 2008; 20(3):126.
- Simkiss D. The International Classification of Functioning Disability and Health. *Journal Of Tropical Pediatrics* 2008; 54(3):149-150.
- Sinars DB, Lemke RW, Cuneo ME, Lebedev SV, Waisman EM, Stygar WA et al. Radiation energetics of ICF-relevant wire-array Z pinches. *Physical Review Letters* 2008; 100(14):145002.
- Skarakis-Doyle E, Doyle PC. The ICF as a framework for interdisciplinary doctoral education in rehabilitation: Implications for speech-language pathology. *International Journal of Speech-Language Pathology* 2008; 10(1):83-91.
- Soberg HL, Finset A, Roise O, Bautz-Holter E. Identification and comparison of rehabilitation goals after multiple injuries: an ICF analysis of the patients', physiotherapists' and other allied professionals' reported goals. *Journal of Rehabilitation Medicine* 2008; 40(5):340-346.
- Soberg HL, Sandvik L, Ostensjo S. Reliability and applicability of the ICF in coding problems, resources and goals of persons with multiple injuries. *Disability & Rehabilitation* 2008; 30(2):98-106.
- Stange B. Occupational therapy uses the concepts of ICF [German]. *Ergotherapie & Rehabilitation* 2008; 47(2):18-20.
- Starrost K, Geyh S, Trautwein A, Grunow J, Ceballos-Baumann A, Prosiegel M et al. Interrater reliability of the Extended ICF Core Set for Stroke applied by physical therapists... including commentary by Jette AM, and authors' response. *Physical Therapy* 2008; 88(7):841-856.
- Stephenson R, Richardson B. Building an interprofessional curriculum framework for health: a paradigm for health function. *Advances In Health Sciences Education: Theory And Practice* 2008; 13(4):547-557.
- Stone J. Recent application of the ICF. Guest editor's introduction and overview. *Disability and Rehabilitation* 2008; 30(12-13):899-900.
- Stucki A, Cieza A, Michel F, Stucki G, Bentley A, Culebras A et al. Developing ICF Core Sets for persons with sleep disorders based on the International Classification of Functioning, Disability and Health. *Sleep Medicine* 2008; 9(2):191-198.
- Stucki A, Cieza A, Schuurmans MM, Ustun B, Stucki G, Grading F et al. Content comparison of health-related quality of life instruments for obstructive sleep apnea. *Sleep Medicine* 2008; 9(2):199-206.
- Stucki G, Cieza A. The International Classification of Functioning, Disability and Health (ICF) in physical and rehabilitation medicine. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(3):299-302.
- Stucki G, Kostanjsek N, Ustun B, Cieza A. ICF-based classification and measurement of functioning. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(3):315-328.

- Stucki G, Reinhardt JD, Grimby G, Melvin J. Developing research capacity in human functioning and rehabilitation research from the comprehensive perspective based on the ICF-model. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(3):343-351.
- Stucki G, Reinhardt JD, Cieza A, Brach M, Celio M, Joggi D et al. Developing Swiss paraplegic research: building a research institution from the comprehensive perspective. *Disability & Rehabilitation* 2008; 30(14):1063-1078.
- Sundar V, Daumen ME, Conley DJ, Stone JH. The use of ICF codes for information retrieval in rehabilitation research: an empirical study. *Disability & Rehabilitation* 2008; 30(12-13):955-962.
- Sykes C. The International Classification of Functioning, Disability and Health: relevance and applicability to physiotherapy. *Advances in Physiotherapy* 2008; 10(3):110-118.
- Theiler R, Widler C. [Standardized telephone interviews to monitor pain. Pilot study to determine feasibility]. *Schmerz (Berlin, Germany)* 2008; 22(1):75-81.
- Thomas B, Connelly D, Laliberte-Rudman D. The impact and use of walkers among older adults: a pilot. *Physical and Occupational Therapy in Geriatrics* 2008; 27(1):36-72.
- Threats TT. Use of the ICF for clinical practice in speech-language pathology. *International Journal of Speech-Language Pathology* 2008; 10(1):50-60.
- Tobin C, Hevey D, Horgan NF, Coen RF, Cunningham CJ. Health-related quality of life of stroke survivors attending the volunteer stroke scheme. *Irish Journal Of Medical Science* 2008; 177(1):43-47.
- Tschiesner U, Rogers SN, Harr+@us U, Berghaus A, Cieza A. Content comparison of quality of life questionnaires used in head and neck cancer based on the international classification of functioning, disability and health: a systematic review. *European Archives Of Oto-Rhino-Laryngology: Official Journal Of The European Federation Of Oto-Rhino-Laryngological Societies (EUFOS): Affiliated With The German Society For Oto-Rhino-Laryngology - Head And Neck Surgery* 2008; 265(6):627-637.
- Valderas JM, Alonso J. Patient reported outcome measures: a model-based classification system for research and clinical practice. *Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation* 2008; 17(9):1125-1135.
- Van Brakel WH, Officer A. Approaches and tools for measuring disability in low and middle-income countries. *Leprosy Review* 2008; 79(1):50-64.
- Vanleit B. Using the ICF to address needs of people with disabilities in international development: Cambodian case study. *Disability & Rehabilitation* 2008; 30(12-13):991-998.
- Vansant AF. The international classification of functioning, disability and health. *Pediatric Physical Therapy* 2006; 18(4):237.
- Veloza CA, Wang Y, Lehman L, Wang J. Utilizing Rasch measurement models to develop a computer adaptive self-report of walking, climbing, and running. *Disability & Rehabilitation* 2008; 30(6):458-467.
- Verbunt JA, Seelen HAM, Ramos FP, Michielsen BHM, Wetzelaer WL, Moennekens M. Mental practice-based rehabilitation training to improve arm function and daily activity performance in stroke patients: a randomized clinical trial. *BMC Neurology* 2008; 8:7.
- Verhoef J, Toussaint PJ, Putter H, Zwetsloot-Schonk JHM, Vlieland TPM. The impact of introducing an ICF-based rehabilitation tool on staff satisfaction with multidisciplinary team care in rheumatology: an exploratory study. *Clinical Rehabilitation* 2008; 22(1):23-37.
- Victoria B, Ahmed A, Zuerner RL, Ahmed N, Bulach DM, Quinteiro J et al. Conservation of the S10-spc-alpha locus within otherwise highly plastic genomes provides phylogenetic insight into the genus *Leptospira*. *Plos ONE* 2008; 3(7):e2752.
- Vissers M, R, Sluis T, Bergen M, Stam H, Bussmann H. Barriers to and facilitators of everyday physical activity in persons with a spinal cord injury after discharge from the rehabilitation centre. *Journal of Rehabilitation Medicine* 2008; 40(6):461-467.
- Vitkovitch J. Speech and language skills: their importance in development. *The Journal Of Family Health Care* 2008; 18(3):93-95.

- Watter P, Rodger S, Marinac J, Woodyatt G, Ziviani J, Ozanne A. Multidisciplinary assessment of children with developmental coordination disorder: using the ICF framework to inform assessment. *Physical and Occupational Therapy in Pediatrics* 2008; 28(4):331-350.
- Weigl M, Cieza A, Cantista P, Reinhardt JD, Stucki G. Determinants of disability in chronic musculoskeletal health conditions: a literature review. *European Journal Of Physical And Rehabilitation Medicine* 2008; 44(1):67-79.
- Weigl M, Schwarzkopf SR, Stucki G. [Using the International Classification of Functioning, Disability, and Health in rheumatologic rehabilitation.]. *Zeitschrift F+r Rheumatologie* 2008; 67(7):565-574.
- Wirtz MA, Voigt-Radloff S. The International Classification of Functioning, Disability and Health-orientated Occupational Therapy Assessment: a Rasch analysis of its domains. *International Journal of Rehabilitation Research* 2008; 31(1):23-32.
- Worrall LE, Hickson L. The use of the ICF in speech-language pathology research: Towards a research agenda. *International Journal of Speech-Language Pathology* 2008; 10(1):72-77.
- Wright FV, Rosenbaum PL, Goldsmith CH, Law M, Fehlings DL. How do changes in body functions and structures, activity, and participation relate in children with cerebral palsy? *Developmental Medicine & Child Neurology* 2008; 50(4):283-289.
- Wynia K, Middel B, van Dijk JP, De Keyser JHA, Reijneveld SA. The impact of disabilities on quality of life in people with multiple sclerosis. *Multiple Sclerosis (Houndmills, Basingstoke, England)* 2008; 14(7):972-980.
- Wynia K, Middel B, van Dijk JP, de Ruiters H, De Keyser J, Reijneveld SA. The Multiple Sclerosis Impact Profile (MSIP). Development and testing psychometric properties of an ICF-based health measure. *Disability & Rehabilitation* 2008; 30(4):261-274.
- Wynia K, Middel B, de Ruiters H, van Dijk JP, De Keyser JHA, Reijneveld SA. Stability and relative validity of the Multiple Sclerosis Impact Profile (MSIP). *Disability & Rehabilitation* 2008; 30(14):1027-1038.
- Xie F, Lo NN, Lee HP, Cieza A, Li SC. Validation of the International Classification of Functioning, Disability, and Health (ICF) Brief Core Set for osteoarthritis. *Scandinavian Journal Of Rheumatology* 2008; 37(6):450-461.
- Xiong T, Hartley S. Challenges in linking health-status outcome measures and clinical assessment tools to the ICF. *Advances in Physiotherapy* 2008; 10(3):152-156.
- Yokoyama U, Minamisawa S, Quan H, Akaike T, Suzuki S, Jin M et al. Prostaglandin E2-activated Epac promotes neointimal formation of the rat ductus arteriosus by a process distinct from that of cAMP-dependent protein kinase A. *The Journal Of Biological Chemistry* 2008; 283(42):28702-28709.
- Østerås N, Gulbrandsen P+, Garratt A, Benth JS, Dahl FA, Natvig B+ et al. A randomised comparison of a four- and a five-point scale version of the Norwegian Function Assessment Scale. *Health And Quality Of Life Outcomes* 2008; 6:14.

Vedlegg 2: Oversikt over artikler fra 2008 (n=173)

Oversikten under viser alle artiklene vi fant publisert i 2008. Her er forfattere, tittel og hvor artiklene er publisert gjengitt. Nøkkelord og målet med studien er også oppgitt, der det finnes informasjon om dette i abstraktet vi identifiserte i de ulike søkebasene.

Allet L, Barge E, Monnin D.

ICF: clinical relevance for physiotherapy?

A critical review. *Advances in Physiotherapy* 2008; 10(3):127-137.

Keywords: Classification/Cochrane Library/Communication/Decision Making/Documentation/Europe/Evaluation/Health/International Classification of Functioning, Disability, and Health/International Classification of Functioning, Disability, and Health -- Utilization/Medline/Pain -- Classification/Physical Therapy/Physical Therapy Practice/Physiotherapy Evidence Database/Rehabilitation/Research/Switzerland

Aim: The aims of this review were to (i) identify how the ICF is integrated in the clinical activity of physiotherapists, (ii) discuss advantages and limits of the use of the ICF, and (iii) suggest further possibilities for implementing the ICF by physiotherapists.

Allet L, Cieza A, Brarge E, Finger M, Stucki G, Monnin D et al.

ICF intervention categories for physiotherapy in the treatment of patients with musculoskeletal conditions [French].

Kinesitherapie Revue 2008;(73):19-28.

Keywords: Convenience Sample/Cross Sectional Studies/Descriptive Statistics/Europe/Health/International Classification of Functioning, Disability, and Health/Language/Multicenter Studies/Musculoskeletal System -- Pathology/Patients/Physical Therapy/Physical Therapy -- Methods/Record Review/Research/Retrospective Design/Switzerland

Anttila H, Utti-Rönkä I, Suoranta J, Mäkelä M, Malmivaara A.

Effectiveness of physical therapy interventions for children with cerebral palsy: a systematic review.

BMC Pediatrics 2008; 8:14.

Keywords: Adolescent/Cerebral Palsy/Cerebral Palsy/*rehabilitation/Child/Child, Preschool/Classification/Cochrane Library/Disabilities/Health/Humans/Infant/Language/Medline/Physical Therapy/Physical Therapy Modalities*/Randomized Controlled Trials as Topic/Research/Technology/Treatment Outcome/Walking

Aim: To assess the effectiveness of physical therapy (PT) interventions on functioning in children with cerebral palsy (CP).

Badley EM.

Enhancing the conceptual clarity of the activity and participation components of the International Classification of Functioning, Disability, and Health.

Social Science & Medicine 2008; 66(11):2335-2345.

Keywords: Canada/Classification/Concept Analysis/Disabled/Health/Models, Theoretical -- Evaluation/Physical Activity/Research/Social Behavior/World Health Organization

Aim: This paper suggests characteristics to distinguish between the components in the ICF model which explicitly include the relationship of contextual factors to the different components.

Bautz-Holter E, Sveen U, Cieza A, Geyh S, R+©e C.

Does the International Classification of Functioning, Disability and Health (ICF) Core Set for low back pain cover the patients' problems? A cross-sectional content-validity study with a Norwegian population.

European Journal Of Physical And Rehabilitation Medicine 2008; 44(4):387-397.

Keywords: Classification/Content Validity/Employment/Family/Health/Multicenter Studies/Norway/Physical Medicine/Rehabilitation

Aim: The aim of this work was to evaluate the Norwegian form of the International Classification of Functioning, Disability and Health (ICF) Core Set for low back pain patients and investigate the feasibility of the Core Set in clinical practice.

Berger S, Porell F.

The association between low vision and function.

Journal of Aging & Health 2008; 20(5):504-525.

Keywords: Activities of Daily Living -- In Old Age/Aged/Aged,80 and Over/Blacks/Body Mass Index/Center for Epidemiological Studies Depression Scale/Clinical Assessment Tools/Cognition/Conceptual Framework/Confidence Intervals/Data Analysis Software/Descriptive Statistics/Female/Functional Status -- In Old Age/Geriatric Functional Assessment/Hispanics/Interviews/Male/Marital Status/Multiple Logistic Regression/Odds Ratio/P-Value/Psychological Tests/Scales/Self Report/Summated Rating Scaling/Surveys/United States/Vision,Subnormal -- In Old Age/Whites

Aim: This study considers the relationship between low vision and function, specifically exploring whether vision loss is differentially associated with activities of daily living (ADL) versus instrumental activities of daily living (IADL) disability.

Bickenbach JE.

ICF and the allied health professions.

Advances in Physiotherapy 2008; 10(3):108-109.

Keywords: Europe/Health/Health Information/Health Personnel/International Classification of Functioning,Disability,and Health/Models,Theoretical/Physical Therapy

Bonetti D, Johnston M.

Perceived control predicting the recovery of individual-specific walking behaviours following stroke: Testing psychological models and constructs.

British Journal Of Health Psychology 2008; 13(3):463-478.

Keywords: Cerebrovascular Accidents/Concept Formation/conceptualizations/Planned Behavior/stroke/Theory of Planned Behavior/Walking/walking behaviors

Aim: This study examined whether individual-specific activity limitations and recovery were predicted by theoretically derived control conceptualizations, the Theory of Planned Behaviour and an integrated model (Theory of Planned Behaviour with the World Health Organization ICF (International Classification of Functioning, Disability and Health) model).

Bowden MG, Hannold EM, Nair PM, Fuller LB, Behrman AL.

Beyond gait speed: a case report of a multidimensional approach to locomotor rehabilitation outcomes in incomplete spinal cord injury.

Journal Of Neurologic Physical Therapy: JNPT 2008; 32(3):129-138.

Keywords: Classification/Communities/Evaluation/Gait/Health/Health Status/Interviews/Quality of Life/Recovery/Rehabilitation/Research/Walking

Aim: The purpose of this case report is to describe a multidimensional approach to outcome measurement reflecting the ICF model.

Brage E, Cieza A, Allet L, Finger ME, Stucki G, Faval CK et al.

ICF intervention categories for physiotherapy in the treatment of patients with internal medicine conditions.

Kinesitherapie Revue 2008;(73):40-49.

Keywords: Cross Sectional Studies/Descriptive Statistics/Europe/Health/Internal Medicine/International Classification of Functioning,Disability,and Health -- Utilization/Language/Multicenter Studies/Patients/Physical Therapy/Physical Therapy Practice/Record Review/Research/Retrospective Design/Switzerland.

Brage E, Cieza A, Allet L, Finger ME, Stucki G, Huber EO.

Intervention categories for physiotherapists treating patients with internal medicine conditions on the basis of the International Classification of Functioning Disability and Health.

International Journal of Rehabilitation Research 2008; 31(1):43-50.

Keywords: Adult/Aged/Aged,80 and Over/Classification/Confidence Intervals/Content Validity/Convenience Sample/Cross Sectional Studies/Data Analysis Software/Descriptive Statistics/Documentation/Health/Internal Medicine/International Classification of Functioning,Disability,and Health/Kappa Statistic/Middle Age/Multicenter Studies/Physical Therapy/Record Review/Rehabilitation/Rehabilitation Centers/Research/Retrospective Design/Switzerland/Validation Studies

Aim: Three lists of ICF intervention categories for internal medicine have been developed. The next step of the development process is to address their content validity.

Brage S, Donceel P, Falez F.

Development of ICF core set for disability evaluation in social security.

Disability and Rehabilitation 2008; 30(18):1392-1396.

Keywords: body functions/Communities/Decision Making/Disabilities/Disability Evaluation/environmental factors/Evaluation/Functional Assessment/Health/Ireland/Norway/Occupational Therapy/Physical Therapy/Rehabilitation

Aim: The purpose of this paper is to report on the development of an ICF core set for functional assessment in disability claims in European social security systems.

Brown JE, Hasselkus AL.

Professional associations' role in advancing the ICF in speech-language pathology.

International Journal of Speech-Language Pathology 2008; 10(1):78-82.

Keywords: American Speech-Language-Hearing Association/Classification/Communication/communication disorders/Diagnosis/Disabilities/Health/International Classification of Diseases/International Classification of Functioning,Disability & Health/Language/Language Disorders/Oral Communication/pathologists/Pathology/professional association/Professional Organizations/Psycinfo/Research/speech/speech language pathology/United States

Aim: This chapter discusses the history of ASHA's involvement in the ICF and its continued role in promoting the adoption of the ICF framework.

Bufka LF, Stewart D, Stark S.

Letter to the editor... a recent study conducted by Farrell and colleagues

(published in the Canadian Journal of Occupational Therapy 2007 Special Edition on the ICF). Canadian Journal of Occupational Therapy 2008; 75(3):134.

Keywords: Canada/International Classification of Functioning,Disability,and Health/International Classification of Functioning,Disability,and Health -- Utilization/Occupational Therapy/Policy and Procedure Manuals.

Bufka LF, Stewart D, Stark S.

The International Classification of Functioning, Disability and Health (ICF) is emerging as the principal framework for the description of health and health related status.

Canadian Journal Of Occupational Therapy Revue Canadienne D'ergoth+@rapie 2008; 75(3):134.

Keywords: Classification/Disability Evaluation*/Health/Health Status/Health Status Indicators*/Humans/Occupational Therapy/World Health Organization

Caty GD, Arnould C, Stoquart GG, Thonnard JL, Lejeune TM.

ABILOCO: a Rasch-built 13-item questionnaire to assess locomotion ability in stroke patients.

Archives of Physical Medicine & Rehabilitation 2008; 89(2):284-290.

Keywords: Activities of Daily Living/Adult/Aged/Aged,80 and Over/Classification/Disability Evaluation/Faculty/Female/Health/Locomotion -- Physiology/Male/Middle Age/Physical Medicine/Physical Therapy/Prospective Studies/Questionnaires/Recovery/Rehabilitation/Research/Scales/Sickness Impact Profile/Software/stroke/Stroke -- Physiopathology/Stroke -- Rehabilitation/Treatment Outcomes/Walking

Aim: To develop a questionnaire (ABILOCO), based on the Rasch measurement model, that can assess locomotion ability in adult stroke patients (International Classification of Functioning, Disability and Health activity domain).

Childs JD, Cleland JA, Elliott JM, Teyhen DS, Wainner RS, Whitman JM et al.

Neck pain.

The Journal Of Orthopaedic And Sports Physical Therapy 2008; 38(9):A1-a34.

Aim:The purpose of these practice guidelines is to describe evidence-based orthopaedic physical therapy clinical practice and provide recommendations for (1) examination and diagnostic classification based on body functions and body structures, activity limitations, and participation restrictions, (2) prognosis, (3) interventions provided by physical therapists, and (4) assessment of outcome for common musculoskeletal disorders

Chung J, Evans J, Lee C, Lee J, Rabbani Y, Roxborough L et al.

Effectiveness of adaptive seating on sitting posture and postural control in children with cerebral palsy.

Pediatric Physical Therapy 2008; 20(4):303-317.

Keywords: Canada/Cerebral Palsy/Classification/Health/Physical Therapy/Posture/Research

Aim: We reviewed research on the effect of adaptive seating on sitting posture/postural control in children with cerebral palsy. Second, we examined whether changes in postural control related to changes in other aspects of functioning.

Cieza A, Bickenbach J, Chatterji S.

The ICF as a conceptual platform to specify and discuss health and health-related concepts.

Gesundheitswesen (Bundesverband Der +ärzte Des +üffentlichen Gesundheitsdienstes (Germany)) 2008; 70(10):e47-e56.

Aim: The aim of this paper is to use the ICF as a conceptual platform to specify and discuss health-related concepts.

Cieza A, Stucki G.

The International Classification of Functioning Disability and Health: its development process and content validity.

European Journal Of Physical And Rehabilitation Medicine 2008; 44(3):303-313.

Aim: The objective of this paper is to address two of these challenges, namely, the study of the content validity of the ICF and its relationship to other health-related concepts such as well-being, quality of life (QoL) and health-related quality of life (HRQoL).

Collier L, Truman J.

Exploring the multi-sensory environment as a leisure resource for people with complex neurological disabilities.

NeuroRehabilitation 2008; 23(4):361-367.

Keywords: Activities of Daily Living/Adaptation,Occupational/Adaptation,Psychological/Attention/Attitude to Disability/Classification/Coping/Creativeness/Disabled -- Psychosocial Factors/Europe/Health/Leisure Activities/Leisure Activities -- Psychosocial Factors/Memory Disorders -- Rehabilitation/Nervous System Diseases -- Rehabilitation/Occupational Therapy/Patient Satisfaction/Physical Therapy/Quality of Life/Rehabilitation/Rehabilitation,Psychosocial -- Methods/Rehabilitation,Speech and Language/Sensory Stimulation -- Methods/Support,Psychosocial/World Health

Coster W, Khetani MA.

Measuring participation of children with disabilities: issues and challenges.

Disability & Rehabilitation 2008; 30(8):639-648.

Keywords: Activities of Daily Living/Adolescence/Adolescent Health/Child/Child Health/Child,Disabled/Classification/Clinical Assessment Tools/Health/International Classification of Functioning,Disability,and Health/Interpersonal Relations/Life Experiences -- Classification/Measurement Issues and Assessments/Occupation (Human) -- Classification/Occupation (Human) -- Evaluation -- In Infancy and Childhood/Occupational Therapy/Physical Therapy/Quality of Life/Rehabilitation/Social Behavior

Aim: The aim of this paper is to examine conceptual issues that challenge development of valid and useful measures of children's participation.

Cruice M.

The contribution and impact of the International Classification of Functioning, Disability and Health on quality of life in communication disorders.

International Journal of Speech-Language Pathology 2008; 10(1):38-49.

Keywords: Adult/Aphasia/Classification/Communication/communication disorders/Disabilities/Health/International Classification of Diseases/International Classification of Functioning,Disability & Health/Language/Language Disorders/Pathology/Psycinfo/Quality of Life/Rehabilitation/Research/Science/speech language pathology/Swallowing/World Health/World Health Organization

Aim:This paper critically discusses the contribution of the ICF to quality of life concept development, and the impact that the ICF has had thus far on health-related quality of life measurement.

Dalemans RJP, De Witte LP, Wade DT, WJA.

A description of social participation in working-age persons with aphasia: a review of the literature.

Aphasiology 2008; 22(10):1071-1091.

Keywords: Adult/Aged/Aged,80 and Over/Aphasia/Aphasia -- Psychosocial Factors/CINAHL Database/Classification/Cochrane Library/Communication/Communities/Conceptual Framework/Education/Educational Status/Employment/Employment Status/Family/Health/Interpersonal Relations/Ireland/Middle Age/Netherlands/Psycinfo/PubMed/Qualitative Studies/Quality Assessment/Quantitative Studies/Reliability and Validity/Research/Scales/Social Behavior/stroke/Stroke -- Complications

Aims: To describe what is known in the literature about participation in working-age persons with aphasia after stroke and to assess the quality of these studies, a systematic literature search was performed for the period 1960-2005 in Pubmed, CINAHL, Psycinfo, and Cochrane.

Daremo A, Haglund L.

Activity and participation in psychiatric institutional care.

Scandinavian Journal of Occupational Therapy 2008; 15(3):131-142.

Keywords: Adolescence/Adult/Aged/Classification/Coefficient Alpha/Data Analysis Software/Descriptive Statistics/Environment/Europe/Faculty/Female/Fisher's Exact Test/Health/Hospitals,Psychiatric/Inpatients/Male/Middle

Age/Multidisciplinary Care Team/Occupational Therapy/Outpatients/Patient Centered Care/Patient Satisfaction/Patients/Psychiatric Patients/Qualitative Studies/Quantitative Studies/Questionnaires/Random Sample/Research/Scales/Science/Semi-Structured Interview/Summated Rating Scaling/Sweden

Aim: The purpose of the study was to describe how patients in psychiatric institutional care conceive their opportunities to be active, and how they participate in their own treatment.

Darrah J, Wiart L, Magill-Evans J.

Do therapists' goals and interventions for children with cerebral palsy reflect principles in contemporary literature?

Pediatric Physical Therapy 2008; 20(4):334-339.

Keywords: Canada/Cerebral Palsy/Classification/Documentation/Faculty/Goal-Setting/Health/Interviews/Movement/Occupational Therapists/Occupational Therapy/Physical Therapists/Physical Therapy/Rehabilitation

Aim: To explore therapists' goal setting and intervention with children with cerebral palsy, and to examine their acceptance of children's use of compensatory movement strategies.

Darrah J.

Using the ICF as a framework for clinical decision making in pediatric physical therapy.

Advances in Physiotherapy 2008; 10(3):146-151.

Keywords: Canada/Classification/Conceptual Framework/Decision Making/Europe/Evaluation/Faculty/Health/International Classification of Functioning, Disability, and Health/Pediatrics/Physical Therapists/Physical Therapy/Physical Therapy Practice/Rehabilitation

Aim: This paper discusses some of the clinical assumptions made in pediatric physical therapy and provides examples of how to identify and to document these assumptions using the ICF framework.

de Boer W, Donceel P, Brage S, Rus M, Willems J.

Medico-legal reasoning in disability assessment: a focus group and validation study.

BMC Public Health 2008; 8:335.

Keywords: Activities of Daily Living/classification/Belgium/Comparative Studies/Cross-Cultural Comparison/Decision Making/Disabilities/Disability Evaluation/Disabled Persons/*classification/Disabled Persons/rehabilitation/Eligibility Determination/*standards/Eligibility Determination/legislation & jurisprudence/Evaluation/Focus Groups/Health/Humans/Insurance, Disability/*legislation & jurisprudence/Language/Netherlands/Norway/Occupational Medicine/*standards/Occupational Medicine/legislation & jurisprudence/Occupational Medicine/methods/Pensions*/Physicians/legislation & jurisprudence/Physicians/standards/Quality of Life/Rehabilitation/Slovenia/Social Security/*standards/Social Security/legislation & jurisprudence/Validation Studies/Work Capacity Evaluation*

Aim: The aim of the study was to determine which grounds are used by social insurance physicians (SIPs) in these assessments and to determine if the identification of these grounds can help improve the quality of assessments in social insurance practice.

Dean E.

Mobilizing patients in the ICU: evidence and principles of practice.

Acute Care Perspectives 2008; 17(1):1.

Keywords: Canada/Classification/Critically Ill Patients -- Evaluation/Exercise/Faculty/Health/Intensive Care Units/Oxygen Transport -- Physiology/Patient Care -- Methods/Physical Therapists/Physical Therapy/Recovery

Aim: This article describes the physiologic and scientific evidence supporting mobilization of patients in the intensive care unit (ICU).

Dedini RD, Bagley AM, Molitor F, James MA.

Comparison of pediatric outcomes data collection instrument scores and range of motion before and after shoulder tendon transfers for children with brachial plexus birth palsy.

Journal Of Pediatric Orthopedics 2008; 28(2):259-264.

Keywords: Birth Injuries/surgery/Brachial Plexus Neuropathies/*surgery/Child/Child,Preschool/Classification/Disability Evaluation/Female/Follow-Up Studies/Health/Humans/Male/Questionnaires/Range of Motion,Articular*/Recovery of Function/Severity of Illness Index/Shoulder Joint/*surgery/Shoulder Joint/pathology/Tendon Transfer/*methods/World Health/World Health Organization

Aim: The aim of this study is to determine whether PODCI scores improve after ERTT, and whether this improvement correlates with improvement in ROM.

Dixon D, Rowley D, Johnston M, Pollard B.

Using the ICF and psychological models of behavior to predict mobility limitations.

Rehabilitation Psychology 2008; 53(2):191-200.

Keywords: Adult/Ajzen's Theory of Planned Behavior/Child/Classification/Coefficient Alpha/Collaboration/Confidence Intervals/Cross Sectional Studies/Descriptive Statistics/Disability Evaluation/Discriminant Validity/Female/Forecasting/Funding Source/Health/Internal Consistency/International Classification of Functioning,Disability,and Health/Linear Regression/Mail/Male/Multiple Regression/Osteoarthritis/P-Value/Path Analysis/Planned Behavior/Psycinfo/Questionnaires/Research/Scales/Short Form-36 Health Survey (SF-36)/Structural Equation Modeling/Theory of Planned Behavior/Walking

Aims: To test the ability of a model that integrates the theory of planned behavior (TPB) into the International Classification of Functioning, Disability and Health (ICF), to predict walking limitations in adults awaiting hip or knee replacement surgery.

Dixon D, Johnston M.

Cognitive representations of disability behaviours in people with mobility limitations: consistency with theoretical constructs.

Disability & Rehabilitation 2008; 30(2):126-133.

Keywords: Aged/Aged,80 and Over/Ajzen's Theory of Planned Behavior/Attitude to Disability/Classification/Collaboration/Communication/Descriptive Statistics/Disabilities/Disabled -- Psychosocial Factors/Female/Funding Source/Health/Health Services/Health Services Research/International Classification of Functioning,Disability,and Health/Ireland/Language/Male/Middle Age/Models,Theoretical/Occupational Therapy/Osteoarthritis/Physical Mobility/Physical Therapy/Rehabilitation/Research/Scotland/Self Concept/Social Learning Theory

Aim: The purpose of this study was to examine disability representations in people with mobility disabilities.

Dixon D, Johnston M, McQueen M, Court-Brown C.

The Disabilities of the Arm, Shoulder and Hand Questionnaire (DASH) can measure the impairment, activity limitations and participation restriction constructs from the International Classification of Functioning, Disability and Health (ICF).

BMC Musculoskeletal Disorders 2008; 9:114.

Keywords: Classification/Disabilities/Discriminant Validity/Health/Language/Research/Scotland/T-Tests

Aim:This study examined the ability of a valid and frequently used measure of upper limb function, namely the Disabilities of the Arm, Shoulder and Hand Questionnaire (DASH), to operationalize the ICF.

Drnach M, Batel S.

Moving with the ICF. Rehab Management:

The Interdisciplinary Journal of Rehabilitation 2008; 21:22-24.

Keywords: Health

Duggan CH, Albright KJ, Lequerica A.

Using the ICF to code and analyse women's disability narratives.

Disability & Rehabilitation 2008; 30(12-13):978-990.

Keywords: Classification/Coding/Conceptual Framework/Content Analysis/Data Analysis Software/Descriptive Statistics/Disabled -- Psychosocial Factors/Female/Functional Status/Funding Source/Health Services Needs and Demand/International Classification of Functioning, Disability, and Health -- Utilization/Middle Age/Narratives/Physical Therapy/Qualitative Studies/Quality of Life/Rehabilitation/Thematic Analysis/Women's Health/World Health

Aim: This article describes the use of the World Health Organization's (WHO) International Classification of Functioning, Disability and Health (ICF) as a conceptual framework for processing and analyzing the narratives of 50 community-dwelling women with a spinal cord injury.

Ehlebracht-K+Ânig I, Mau W.

Rheumatological rehabilitation today : Exemplified by two case reports.]

Zeitschrift F+r Rheumatologie 2008; 67(7):554-564.

Keywords: Classification/Health/Rehabilitation

Aim: Two case reports - a patient with early rheumatoid arthritis and a patient with advanced ankylosing spondylitis - illustrate interdisciplinary treatment in medical rehabilitation that is based on the ICF

Eide AH, Jelsma J, Loeb M, Maart S, Toni MK.

Exploring ICF components in a survey among Xhosa speakers in Eastern & Western Cape, South Africa.

Disability & Rehabilitation 2008; 30(11):819-829.

Keywords: Adolescence/Adult/Aged/Checklists/Child/Child,Preschool/Clinical Assessment Tools/Coefficient Alpha/Convenience Sample/Data Analysis Software/Descriptive Statistics/Education/Factor Analysis/Female/Functional Assessment -- Methods -- South Africa/Functional Status -- South Africa/Indigenous Peoples/Infant/International Classification of Functioning, Disability, and Health -- South Africa/Interviews/Male/Middle Age/Physical Therapy/Questionnaires/Scales/South Africa/Structured Interview/Translations

Aim: To contribute to the testing and development of the ICF model by exploring the relationship between activity limitations, participation restrictions and environmental barriers.

Ewert T, Freudenstein R, Stucki G.

[ICF in social medicine].

Gesundheitswesen (Bundesverband Der +ärzte Des +üffentlichen Gesundheitsdienstes (Germany)) 2008; 70(10):600.

Fabian ES, McInerney M, dos Santos Rodrigues P.

International education in rehabilitation.

Rehabilitation Education 2005; 19(1):1-24.

Keywords: Education/Rehabilitation

Farin E.

[Patient orientation and reference to the ICF as challenges in outcome assessment in rehabilitation].

Die Rehabilitation 2008; 47(2):67-76.

Keywords: Activities of Daily Living/classification/Attitude to Health/Classification/Communication/Disability Evaluation*/Germany/Health/International Classification of Diseases/Life Style/Outcome Assessment/Outcome Assessment (Health Care)*/methods/Patient Education as Topic*/methods/Patient Participation/Patient Satisfaction/Rehabilitation/Rehabilitation/*education/Research/World Health Organization

Aim: Compilation of patients' treatment goals, expectations and preferences, patient participation in the development of assessment instruments, compilation of patients' evaluations of treatment results and consideration of the subjectivity of the physician as well as interaction between patient and physician were discussed with respect to involving patients in measuring results.

Finch LE, Higgins J, Wood-Dauphinee S, Mayo NE.

A measure of early physical functioning (EPF) post-stroke.

Journal of Rehabilitation Medicine 2008; 40(7):508-517.

Keywords: Activities of Daily Living/Aged/Aged,80 and Over/Disability Evaluation/Female/Male/Middle Age/Motor Skills/Physical Therapy/Prospective Studies/Psychomotor Performance/Recovery/stroke/Stroke -- Physiopathology/Stroke -- Psychosocial Factors/Stroke -- Rehabilitation

Aim: To develop a comprehensive measure of Early Physical Functioning (EPF) post-stroke quantified through Rasch analysis and conceptualized using the International Classification of Functioning Disability and Health (ICF).

Finger ME, Cieza A, Allet L, Borge E, Baumann Y, Albert S et al.

ICF intervention categories for physiotherapy in the treatment of patients with neurological conditions [French].

Kinesitherapie Revue 2008;(73):29-39.

Keywords: Acute Care/Convenience Sample/Cross Sectional Studies/Delphi Technique/Descriptive Statistics/Europe/Health/International Classification of Functioning,Disability,and Health -- Utilization/Language/Long Term Care/Multicenter Studies/Nervous System Diseases -- Rehabilitation/Patients/Physical Therapy/Physical Therapy Practice/Record Review/Research/Retrospective Design/Switzerland

Foley G.

Occupational therapy in progressive neurology: a rehabilitative approach.

British Journal of Occupational Therapy 2008; 71(7):308-310.

Keywords: International Classification of Functioning,Disability,and Health/Nervous System Diseases -- Rehabilitation/Rehabilitation – Methods

Fries W, Fischer S.

[Participation Limitations Following Acquired Brain Damage: A Pilot Study on the Relationship Among Functional Disorders as well as Personal and Environmental Context Factors].

Die Rehabilitation 2008; 47(5):265-274.

Froehlich-Grobe K, Andresen EM, Caburnay C, White GW.

Measuring health-related quality of life for persons with mobility impairments: an enabled version of the short-form 36 (SF-36E).

Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation 2008; 17(5):751-770.

Keywords: Adult/Classification/Disabled Persons*/Health/Health Status*/Humans/Locomotion*/Middle Aged/Psychometrics/Quality of Life/Quality of Life*/Questionnaires*/Reproducibility of Results/Research/Self-Help Devices/utilization/Surveys/Validation Studies/World Health/World Health Organization

Aim: Examine psychometric properties of the SF-36 and SF-36E for mobility-impaired individuals and assess whether the SF-36E yields higher health-related quality-of-life scores.

Frontera WR, Grimby G, Basford J, Muller D, Ring H.

Publishing in physical and rehabilitation medicine.

Disability & Rehabilitation 2008; 30(7):487-492.

Keywords: Classification/Electronic Publishing/Europe/Geographic Factors/Health/International Classification of Functioning,Disability,and Health/Occupational Therapy/Peer Review/Philosophy/Physical Medicine/Physical Therapy/Professional Practice,Evidence-Based/Rehabilitation/Serial Publications/United States/Writing for Publication

Aim: This paper presents the panel discussion from the 'Meet the Editor' symposium held at the 4th World Congress of the International Society of Physical and Rehabilitation Medicine in Seoul in June 2007. It includes contributions by four Editors of international journals in rehabilitation.

Frontera WR, Grimby G, Basford J, Muller D, Ring H.

Publishing in physical and rehabilitation medicine.

American Journal of Physical Medicine & Rehabilitation 2008; 87(3):215-220.

Keywords: Classification/Electronic Publishing/Europe/Health/Newsletters/Peer Review/Physical Medicine/Physical Therapy/Publishing/Rehabilitation/United States

Aim: This article presents the panel discussion from the "Meet the Editor" symposium held at the 4th World Congress of the International Society of Physical and Rehabilitation Medicine in Seoul in June 2006

Frontera WR, Grimby G, Basford J, Muller D, Ring H.

Publishing in physical and rehabilitation medicine.

Journal of Rehabilitation Medicine 2008; 40(3):161-165.

Keywords: Classification/Electronic Publishing/Europe/Health/Manuscripts/Newsletters -- Standards/Newsletters -- Trends/Peer Review/Physical Medicine/Physical Therapy/Publishing/Rehabilitation

Gaidhane AM, Zahiruddin QS, Waghmare L, Zodpey S, Goyal RC, Johrapurkar SR.

Assessing self-care component of activities and participation domain of the international classification of functioning, disability and health (ICF) among people living with HIV/AIDS.

AIDS Care 2008; 20(9):1098-1104.

Aim:This study aimed to find out the nature of self-care among people living with HIV/AIDS (PLWHA) in rural tertiary care center. The objectives were to determine reported self-care by performance qualifier of PLWHA and to find out reported self-care by capacity qualifier of PLHIV.

Geertzen JHB.

Moving beyond Disability.

Prosthetics And Orthotics International 2008; 32(3):276-281.

Aim:. This paper is a reflection of one of the keynote lectures discussing the International Classification of Functioning, Disability and Health (ICF).

Gladman JRF.

The international classification of functioning, disability and health and its value to rehabilitation and geriatric medicine.

Journal Of The Chinese Medical Association: JCMS 2008; 71(6):275-278.

Keywords: Classification/Communities/Disabled Persons/*classification/Geriatrics*/Health/Humans/International Classification of Diseases/*classification/Rehabilitation/Technology/World Health/World Health Organization

Aim:In this paper, I argue that the International Classification of Functioning, Disability and Health (ICF), proposed by the World Health Organization, provides not only a model to understand health, but a model to understand rehabilitation and geriatric medicine.

Godges JJ, Irrgang JJ.

Guest editorial. ICF-based practice guidelines for common musculoskeletal conditions.

Journal of Orthopaedic & Sports Physical Therapy 2008; 38(4):167-168.

Keywords: Health/International Classification of Functioning, Disability, and Health/Musculoskeletal Diseases -- Diagnosis/Musculoskeletal Diseases -- Therapy/Physical Therapy/Physical Therapy Practice, Evidence-Based/Practice Guidelines

Graham SK, Cameron ID.

Assessing outcomes in an Australian rehabilitation service: using an ICF-based approach.

International Journal of Therapy & Rehabilitation 2008; 15(9):392-399.

Keywords: Australia/Clinical Indicators/Descriptive Statistics/Environment/Faculty/Health/Health Services Research/Inpatients/International Classification of Functioning, Disability, and Health/Ireland/Occupational Therapy/Outcome Assessment -- Methods/Physical Therapy/Pilot Studies/Questionnaires/Rehabilitation/Rehabilitation Centers/Rehabilitation, Community-Based/Research/Research Instruments/World Health/World Health Organization

Aim: The authors developed a set of clinical indicators including the Australian Faculty of Rehabilitation Medicine (AFRM) clinical indicators (which largely concern the rehabilitation process) and additional outcome measures based on the ICF domains, and undertook this pilot study to assess its usefulness.

Gray LA, Msall ER, Msall ME.

Communicating about autism: decreasing fears and stresses through parent-professional partnerships. Infants & Young Children:

An Interdisciplinary Journal of Special Care Practices 2008; 21(4):256-271.

Keywords: Autistic Disorder -- Diagnosis/Autistic Disorder -- Prevention and Control/Autistic Disorder -- Therapy/Child Development/Child Development Disorders, Pervasive -- Risk Factors/Classification/Collaboration/Communication/Counseling/Diagnosis/Family/Guideline Adherence/Health/Needs Assessment/Professional-Family Relations/Research/Support, Psychosocial

Aim: This article provides a developmental and behavioral perspective for the professionals who desire to find guideposts in task of supporting families throughout the diagnostic process of autism.

Greig C, Harper R, Hirst T, Howe T, Davidson B.

Barriers and facilitators to mobile phone use for people with aphasia.

Topics in Stroke Rehabilitation 2008; 15(4):307-324.

Keywords: Adult/Aphasia/Checklists/Content Analysis/Descriptive Research/Exploratory Research/Female/Field Notes/Interviews/Middle Age/Nonparticipant Observation/Physical Therapy/Purposive Sample/Qualitative Studies/Queensland/Semi-Structured Interview/Telephone/Wireless Communications -- Utilization

Aim: The aim of this preliminary study was to identify the barriers and facilitators to mobile phone use for people with aphasia.

Guptill C.

Musicians' health: applying the ICF framework in research.

Disability & Rehabilitation 2008; 30(12-13):970-977.

Keywords: CINAHL Database/Conceptual Framework/Descriptive Statistics/Functional Status/Health Status/International Classification of Functioning, Disability, and Health/Medline/Music/Occupation (Human)/Performing Artists/Personality/Physical Therapy/Prevalence/Professional Practice, Evidence-Based/Psychological Well-Being/World Health

Aim: Using the theoretical framework of the World Health Organization's International Classification of Functioning, Disability and Health (ICF), the author examined the musicians' health literature to determine potential causes for the shortcomings in the provision of evidence-based treatment for injured musicians

Helgeson K, Smith AR, Jr.

Process for applying the International Classification of Functioning, Disability and Health model to a patient with patellar dislocation.

Physical Therapy 2008; 88(8):956-964.

Keywords: Adult/Female/International Classification of Functioning,Disability,and Health -- Utilization/Patella Dislocation -
- Diagnosis/Patella Dislocation -- Rehabilitation/Physical Therapy/Physical Therapy Assessment/Walking

Aim: The purpose of this case report is to describe an evaluative and diagnostic process that is based on the ICF framework for a patient with a patellar dislocation.

Henderson S, Skelton H, Rosenbaum P.

Assistive devices for children with functional impairments: impact on child and caregiver function.

Developmental Medicine & Child Neurology 2008; 50(2):89-98.

Keywords: Activities of Daily Living/Adult/Assistive Technology Devices/Attention/Canada/Caregivers/Child/Child Behavior/Child,Disabled/Classification/Communication/Eating/Gait/Health/Ireland/Quality of Life/Research/Walking/World Health/World Health Organization

Aim:The aim of this review was to determine the impact of assistive devices on the components of functioning defined by the World Health Organization's International Classification of Functioning, Disability and Health.

Herrmann S, Ragan BG.

Outcome assessment part 2: measurement of person-environment interaction.

Athletic Therapy Today 2008; 13(2):29-33.

Keywords: Documentation/Education/Education,Continuing (Credit)/Equipment Design/Equipment Reliability/Functional Assessment -- Methods/Geographic Information Systems/Geographic Information Systems -- Methods/Health/International Classification of Functioning,Disability,and Health/Natural Environment/Outcome Assessment/Physical Activity -- Evaluation/Physical Therapy/Technology/Treatment Outcome/Treatment Outcomes

Hocking C, Ness NE.

WFOT minimum standards for the education of occupational therapists: shaping the profession.

WFOT Bulletin 2004; 50:9-17.

Keywords: Education/Occupational Therapists

Holland AL.

Recent advances and future directions in aphasia therapy.

Brain Impairment 2008; 9(2):179-190.

Keywords: Aphasia/aphasia therapy/Australia/Classification/future directions/Health/psychosocial concerns/Psychosocial Factors/Psyinfo/recent advances/Rehabilitation/Technology

Aim: This article reviews literature in aphasia rehabilitation in the English-speaking world.

Holmberg TS, Lindmark B.

How do physiotherapists treat patients with traumatic brain injury?

Advances in Physiotherapy 2008; 10(3):138-145.

Keywords: Brain Injuries -- Rehabilitation/Brain Injuries -- Therapy/Classification/Europe/Evaluation/Focus Groups/Health/International Classification of Functioning,Disability,and Health/Interviews/Patients/Physical Therapists/Physical Therapy/Physical Therapy Practice,Evidence-Based/Qualitative Studies/Quality of Life/Rehabilitation/Research/Treatment Outcomes

Aim: The principal aim of this study was to elucidate how physiotherapists work with patients with traumatic brain injury in acute inpatient and later home-based phases of rehabilitation. Another aim was to investigate what assessment, treatment and outcome evaluation methods they use. Further objectives were to find out if there were any methodological differences in the different phases of the rehabilitation, why the methods were chosen, and to which International Classification of Functioning (ICF) components the methods were related.

Homa DB, Peterson DB.

Using the International Classification of Functioning, Disability and Health (ICF) in teaching rehabilitation client assessment.

Rehabilitation Education 2005; 19(2-3):119-128.

Keywords: Classification/Disabilities/Health/Rehabilitation

Howard D, Nieuwenhuijsen ER, Saleeby P.

Health promotion and education: application of the ICF in the US and Canada using an ecological perspective.

Disability & Rehabilitation 2008; 30(12-13):942-954.

Keywords: Canada/Change Theory/Communities/Disabled/Disabled -- Legislation and Jurisprudence/Health Education -- Methods/Health Promotion -- Methods/International Classification of Functioning, Disability, and Health -- Utilization -- Canada/International Classification of Functioning, Disability, and Health -- Utilization -- United States/Models, Theoretical/Physical Therapy/Sociological Theory/United States/Wellness/World Health

Aim: The aims and applications of the World Health Organization's International Classification of Functioning, Disability and Health (ICF), with its focus on components of functioning, activities and participation, and environmental factors are salient to health promotion and health education efforts.

Howard D.

Older men and prostate cancer: ICF-based implications for leisure and quality of life.

Annual in Therapeutic Recreation 2008; 16:57-70.

Keywords: Classification/Disabilities/Family/Health/Qualitative Studies/Quality of Life/society/United States/World Health/World Health Organization

Aim: Using the International Classification of Functioning, Disability, and Health (ICF) of the World Health Organization (2001) as a framework, this article presents outcomes of a qualitative study that explored older men's perspectives of quality of life, leisure, and how the experience with prostate cancer impacted their lives related to recreation and free time activity.

Howe TJ.

The ICF Contextual Factors related to speech-language pathology.

International Journal of Speech-Language Pathology 2008; 10(1):27-37.

Keywords: Australia/Classification/clinical practice/Communication/communication disorders/Contextual Associations/contextual factors/Disabilities/environmental factors/Health/International Classification of Diseases/International Classification of Functioning, Disability & Health/Language/Language Disorders/pathologists/Pathology/Queensland/Rehabilitation/Research/Science/speech language pathology/World Health/World Health Organization

Aim: (1) discuss why contextual factors are important for speech-language pathologists to address in their clinical practice, (2) describe how environmental factors are coded in the ICF, (3) identify environmental factors that are relevant for people with communication disorders, and (4) identify personal factors that are relevant for people with communication disorders.

Huber EO, Cieza A.

Implementation of the ICF in clinical physiotherapy [sic] practice [French].

Kinesitherapie Revue 2008;(73):12-18.

Keywords: Europe/Goal-Setting/Health/International Classification of Functioning, Disability, and Health -- Utilization/Language/Outcome Assessment/Physical Therapy/Physical Therapy -- Methods/Physical Therapy Assessment/Physical Therapy Practice

J+Ånsson G, Ekholm J, Schult M.

The International Classification of Functioning, Disability and Health environmental factors as facilitators or barriers used in describing personal and social networks: a pilot study of adults with cerebral palsy.

International Journal of Rehabilitation Research 2008; 31(2):119-129.

Keywords: Adult/Assisted Living/Attitude of Health Personnel/Cerebral Palsy -- Rehabilitation/Classification/Descriptive Research/Descriptive Statistics/Disability Evaluation/Disabled/Family Attitudes/Female/International Classification of Functioning, Disability, and Health/Interpersonal Relations/Interviews/Male/Middle Age/Outpatients/Pilot Studies/Quantitative Studies/Random Sample/Rehabilitation/Rehabilitation Centers/Rehabilitation Patients/Scales/Social Networks/Summated Rating Scaling/Support, Psychosocial/Sweden

Aim: Using the environmental factors of the International Classification of Functioning, Disability and Health (ICF), the aim of the study was to describe the social networks involved in the everyday lives of adults with cerebral palsy (CP). A further aim was to use the ICF generic scale to describe how far these adults experienced the contacts within these networks as facilitators or barriers.

Janssens L, Gorter JW, Ketelaar M, Kramer WLM, Holtslag HR.

Health-related quality-of-life measures for long-term follow-up in children after major trauma. Quality Of Life Research:

An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation 2008; 17(5):701-713.

Keywords: Adolescent/Aged/Child/Child, Preschool/Classification/Databases/Follow-Up Studies/Functional Status/Health/Health Status*/Humans/Internal Consistency/Medline/Netherlands/Quality of Life/Quality of Life*/Rehabilitation/Research/Test-Retest Reliability/Trauma Severity Indices*/World Health/World Health Organization/Wounds and Injuries*

Aim: Our objective was to review measures of health-related quality of life (HRQL) for long-term follow up in children after major trauma and to determine the measures that are suitable for a large age range, reliable and valid, and cover a substantial amount of the domains of functioning using the International Classification of Functioning, Disability, and Health (ICF) of the World Health Organization (WHO).

Jelsma J, Maart S, Eide A, Toni M, Loeb M.

Who gets the disability grant in South Africa? An analysis of the characteristics of recipients in urban and rural areas.

Disability & Rehabilitation 2008; 30(15):1139-1145.

Keywords: Adult/Chi Square Test/Classification/Clinical Assessment Tools/Comparative Studies/Convenience Sample/Cross Sectional Studies/Data Analysis Software/Descriptive Research/Descriptive Statistics/Disabled -- Organizations/Employment/Employment Status/Ethnic Groups -- South Africa/Female/Functional Assessment/Funding Source/Geographic Factors -- South Africa/Health/Health Services Accessibility -- South Africa/Health Status -- Evaluation/Insurance, Disability -- South Africa/International Classification of Functioning, Disability, and Health/Ireland/Male/Marital Status/Occupational Therapy/Physical Mobility/Physical Therapy/Quality of Life/Quality of Life -- Evaluation/Questionnaires/Rehabilitation/Research/Rural Areas/Science/Snowball Sample/South Africa/Survey Research/T-Tests/Technology/Transportation/Urban Areas/Visual Analog Scaling

Aim: This study was to establish whether there was a difference in the characteristics of people who received a disability grant and those who did not in rural and urban samples of isiXhosa-speaking people with disability in South Africa.

Jelsma J, Mkoka S, Amosun SL.

Health-related quality of life (HRQoL) domains most valued by urban IsiXhosa-speaking people.

Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation 2008; 17(2):347-355.

Keywords: Activities of Daily Living/Adolescent/Adult/African Continental Ancestry Group*/ethnology/African Continental Ancestry Group*/psychology/Aged/Aged, 80 and Over/Attention/Attitude to Health*/Classification/Clinical Trials/Communities/Cross-Sectional Studies/Culture/Faculty/Female/Health/Health Status/Humans/Male/Middle

Aged/Poverty Areas/Quality of Life/Quality of Life*/Questionnaires*/Rehabilitation/Research/South Africa/Urban Population

Aim: The aim of the study was to investigate and identify aspects of health-related quality of life (HRQoL) that are most valued by IsiXhosa-speaking people resident in underresourced areas of Cape Town, South Africa.

Jelsma J, Mkoka S, Amosun SL.

Health-related quality of life (HRQoL) domains most valued by urban isiXhosa-speaking people.

Quality Of Life Research: An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation 2008; 17(1):137-145.

Keywords: Adolescent/Adult/Aged/Aged,80 and Over/Attention/Attitude to Health*/Classification/Clinical Trials/Communities/Cross-Sectional Studies/Faculty/Family/Female/Health/Health Status/Health Status*/Humans/Male/Middle Aged/Population Groups/Quality of Life/Quality of Life*/Questionnaires*/Rehabilitation/Research/Science/South Africa/Urban Population

Aim:The aim of the study was to investigate and identify aspects of health-related quality of life (HRQoL) that are most valued by isiXhosa-speaking people resident in under-resourced areas of Cape Town.

Jette AM, Norweg A, Haley SM.

Achieving meaningful measurements of ICF concepts.

Disability & Rehabilitation 2008; 30(12-13):963-969.

Keywords: Adult/Aged/Clinical Assessment Tools/Coding/Conceptual Framework -- Evaluation/Databases/Descriptive Statistics/Female/Functional Assessment -- Methods/Health Status -- Evaluation/International Classification of Functioning,Disability,and Health -- Utilization/Male/Massachusetts/Physical Therapy/Prospective Studies/Rehabilitation/Rehabilitation Centers/Scales

Aim: This paper reviews the strengths and weaknesses of two different approaches to assessing ICF concepts: coding versus quantitative scales. It illustrates the advantages of an alternative, integrative approach, called functional staging.

Jones GC, Sinclair LB.

Multiple health disparities among minority adults with mobility limitations: an application of the ICF framework and codes.

Disability & Rehabilitation 2008; 30(12-13):901-915.

Keywords: Activities of Daily Living/Adult/Aged/Assistive Technology Devices/Cluster Sample/Coding/Confidence Intervals/Cross Sectional Studies/Data Analysis Software/Depression/Descriptive Statistics/Diabetes Mellitus/Disabled/Employment Status/Female/Functional Status/Georgia/Health Status -- Evaluation/Hypertension/International Classification of Functioning,Disability,and Health -- Utilization/Life Style,Sedentary/Logistic Regression/Male/Middle Age/Minority Groups/Obesity/Odds Ratio/Physical Therapy/Retrospective Design/Scales/Self Report/stroke/Survey Research/United States/Vision Disorders

Aim: To examine the interface between mobility limitations and minority status and its effect on multiple health and health-related domains among adults, using the framework of the International Classification of Functioning, Disability and Health (ICF).

Juckel G, Morosini PL.

The new approach: psychosocial functioning as a necessary outcome criterion for therapeutic success in schizophrenia.

Current Opinion In Psychiatry 2008; 21(6):630-639.

Aim: Although in the past most attention was paid to psychopathology, these days outcome parameters such as cognitive and occupational performance, emotional stability, quality of life and psychosocial functioning are being recognized as important determinants of treatment success. Instead of only reducing the symptoms, therapy with antipsychotics must attain higher goals such as remission and recovery today.

Juckel G, Schaub D, Fuchs N, Naumann U, Uhl I, Witthaus H et al.

Validation of the Personal and Social Performance (PSP) Scale in a German sample of acutely ill patients with schizophrenia.

Schizophrenia Research 2008; 104(1-3):287-293.

Aim: In trying to more broadly define outcome in the efficient long-term treatment of patients with schizophrenia it is necessary to consider not only a reduction in psychopathological symptoms but also a successful psychosocial reintegration. Thus, a more exact assessment of psychosocial functioning is needed.

Juhakoski R, Tenhonen S, Anttonen T, Kauppinen T, Arokoski JP.

Factors affecting self-reported pain and physical function in patients with hip osteoarthritis.

Archives of Physical Medicine & Rehabilitation 2008; 89(6):1066-1073.

Keywords: Aged/Aged,80 and Over/Body Mass Index/Classification/Clinical Assessment Tools/Comorbidity/Cross Sectional Studies/Depression/Disability Evaluation/Education/Educational Status/Female/Health Status/Male/Middle Age/Osteoarthritis,Hip -- Physiopathology/Osteoarthritis,Hip -- Rehabilitation/Pain -- Physiopathology/Pain Measurement/Personal Satisfaction/Physical Therapy/Rehabilitation

Aim:To determine the factors associated with self-reported pain and physical function in patients with hip osteoarthritis (OA).

Kennedy MRT, Coelho C, Turkstra L, Ylvisaker M, Moore Sohlberg M, Yorkston K et al.

Intervention for executive functions after traumatic brain injury: a systematic review, meta-analysis and clinical recommendations.

Neuropsychological Rehabilitation 2008; 18(3):257-299.

Keywords: Adult/Brain Injuries/*physiopathology/Brain Injuries/*rehabilitation/Health/Health Planning Guidelines*/Humans/Meta-Analysis as Topic*/Middle Aged/Neuropsychological Tests/Problem Solving/*physiology/Research/World Health/World Health Organization

Aim: A systematic review of studies that focused on the executive functions of problem solving, planning, organising and multitasking by adults with traumatic brain injury (TBI) was performed through 2004.

Kennedy V, Stephens D, Fitzmaurice P.

The impact of cochlear implants from the perspective of significant others of adult cochlear implant users.

Otology & Neurotology: Official Publication Of The American Otological Society, American Neurotology Society [And] European Academy Of Otology And Neurotology 2008; 29(5):607-614.

Keywords: Adult

Aim: To explore the benefits and shortcomings of cochlear implants as perceived by a cochlear implant user's significant other in the context of the World Health Organization's International Classification of Functioning, Disability and Health (ICF).

Kesselring J, Coenen M, Cieza A, Thompson A, Kostanjsek N, Stucki G.

Developing the ICF Core Sets for multiple sclerosis to specify functioning.

Multiple Sclerosis (Houndmills, Basingstoke, England) 2008; 14(2):252-254.

Keywords: Activities of Daily Living/Classification/Cross Sectional Studies/Cross-Sectional Studies/Disability Evaluation*/Focus Groups/Health/Health Status*/Humans/International Classification of Diseases/Interviews/Multiple Sclerosis/*physiopathology/Qualitative Studies/Rehabilitation/Research/Switzerland/Validation Studies as Topic*

Aim: The objective of this document is to outline the development process for the ICF Core Sets for MS.

Khan F, Ng L, Gonzalez S, Hale T, Turner-Stokes L.

Multidisciplinary rehabilitation programmes following joint replacement at the hip and knee in chronic arthropathy.

Cochrane Database of Systematic Reviews 2008;(2).

Keywords: Adult/Arthroplasty,Replacement,Hip -- Rehabilitation/Arthroplasty,Replacement,Knee -- Rehabilitation/Classification/Clinical Trials/Confidence Intervals/Descriptive Statistics/Medline/Quality of Life/Rehabilitation/Rehabilitation -- Methods/Treatment Outcomes

Aim: To assess the evidence for effectiveness of multidisciplinary rehabilitation on activity and participation in adults following hip or knee joint replacement for chronic arthropathy

Kilde T, J+@rgensen MJ, Fog L.

Principles of neurorehabilitative nursing [Danish].

Sygeplejersken / Danish Journal of Nursing 2008; 108(10):56-61.

Keywords: Brain Injuries -- Nursing/Brain Injuries -- Rehabilitation/Classification/Collaboration/Conceptual Framework/Health/Neuroscience Nursing/Quality of Life/Rehabilitation Nursing

Aim: The article focuses on neurorehab and describes essential core areas in neurorehab nursing.

Kirchberger I, Cieza A, Stucki G.

Validation of the Comprehensive ICF Core Set for rheumatoid arthritis: the perspective of psychologists.

Psychology & Health 2008; 23(6):639-659.

Keywords: Adult/Arthritis,Rheumatoid -- Rehabilitation/Attitude of Health Personnel/Chi Square Test/Confidence Intervals/Data Analysis Software/Delphi Technique/Descriptive Statistics/Disability Evaluation/Electronic Mail/Female/Fisher's Exact Test/International Classification of Functioning,Disability,and Health/Kappa Statistic/Male/Mann-Whitney U Test/Middle Age/Psychologists/Purposive Sample/Snowball Sample/Surveys/Validation Studies

Aim: The objective of this study was to validate this ICF Core Set from the perspective of psychologists.

Leitner A, Kaluscha R, Jacobi E.

[The ICF in use: testing of a new concept in four clinics].

Die Rehabilitation 2008; 47(4):226-235.

Leyshon RT, Shaw LE.

Using the ICF as a conceptual framework to guide ergonomic intervention in occupational rehabilitation... International Classification of Functioning, Disability, and Health.

Work 2008; 31(1):47-61.

Keywords: Attention/Canada/Case Studies/Classification/Conceptual Framework/Ergonomics/Female/Health/Ireland/Middle Age/Occupational Therapy/Occupational Therapy Assessment/Occupational-Related Injuries -- Classification/Rehabilitation/Rehabilitation,Vocational

Aim: The purpose of this paper is to introduce a new practice model of occupational rehabilitation ergonomics. The model draws upon the International Classification of Functioning, Disability, and Health (ICF) and merges this with basic ergonomic and rehabilitation principles

Ma EPM, Threats TT, Worrall LE.

An introduction to the International Classification of Functioning, Disability and Health (ICF) for speech-language pathology: Its past, present and future.

International Journal of Speech-Language Pathology 2008; 10(1):2-8.

Keywords: Classification/Communication/Disabilities/Health/International Classification of Diseases/International Classification of Functioning, Disability & Health/Language/Oral Communication/Pathology/Psycho/Science/Speech Disorders/speech language pathology

Aim: This paper provides a context for the remainder of this special issue on the International Classification of Functioning, Disability and Health (ICF) and speech-language pathology. It describes the ICF--its past, present and future in relation to the discipline of speech-language pathology.

Magasi SR, Heinemann AW, Whiteneck GG.

Participation following traumatic spinal cord injury: an evidence-based review for research.

The Journal Of Spinal Cord Medicine 2008; 31(2):145-156.

Keywords: Activities of Daily Living*/clinical practice/Disability Evaluation*/Disabled Persons/statistics & numerical data/Education/Evidence-Based Medicine/methods/Evidence-Based Medicine/standards/Humans/Language/Outcome Assessment (Health Care)*/methods/Outcome Assessment (Health Care)/standards/Psychometrics/methods/Psychometrics/standards/Quality of Life/Questionnaires/standards/Rehabilitation/Reproducibility of Results/Research/Spinal Cord Injuries/Spinal Cord Injuries/*rehabilitation

Aim: To report an evidence-based review of participation instruments that have been used in spinal cord injury (SCI) clinical practice and research.

Maini M, Nocentini U, Prevedini A, Giardini A, Muscolo E.

An Italian experience in the ICF implementation in rehabilitation: preliminary theoretical and practical considerations.

Disability & Rehabilitation 2008; 30(15):1146-1152.

Keywords: Attitude of Health Personnel/Classification/Clinical Assessment Tools/Descriptive Statistics/Education/Electronic Mail/Evaluation/Expert Clinicians/Functional Assessment -- Methods -- Italy/Health/International Classification of Functioning, Disability, and Health/Interviews/Ireland/Italy/Multicenter Studies/Occupational Therapy/Patients/Physical Therapy/Pilot Studies/Qualitative Studies/Questionnaires/Rehabilitation/Research/Translations

Aim: The purpose of this article is to present some qualitative considerations on ICF Core Sets implementation.

Martin A, Burtner PA, Poole J, Phillips J.

Case report: ICF-level changes in a preschooler after constraint-induced movement therapy.

American Journal of Occupational Therapy 2008; 62(3):282-288.

Keywords: Case Studies/Cerebral Palsy/Child/Child, Preschool/Classification/Descriptive Statistics/Dynamometry/Early Childhood Intervention/Funding Source/Grip Strength -- In Infancy and Childhood/Health/Hemiplegia -- Rehabilitation -- In Infancy and Childhood/International Classification of Functioning, Disability, and Health/Interviews/Movement -- In Infancy and Childhood/Occupational Therapy/Play Therapy/Pretest-Posttest Design/Psychomotor Performance -- In Infancy and Childhood/Rehabilitation/Research/Scales

Aim: The authors examined changes associated with constraint-induced movement therapy (CIMT) provided to a preschool-aged child with right spastic hemiplegia.

Martinuzzi A, Frare M, Pradal M, Mion M, Dugone S, Durante M et al.

Disseminating the WHO International Classification of Functioning Health and Disability (ICF) in the Veneto region of Italy.

Disability & Rehabilitation 2008; 30(1):71-80.

Keywords: Attitude of Health Personnel/Classification/Conceptual Framework/Descriptive Statistics/Disabilities/Health/Health Personnel -- Education -- Italy/International Classification of Functioning, Disability, and Health -- Education -- Italy/International Classification of Functioning, Disability, and Health -- Utilization -- Italy/Ireland/Italy/Language/Occupational Therapy/Physical Therapy/Program Development/Program Evaluation/Program

Implementation/Questionnaires/Rehabilitation/Rehabilitation -- Education -- Italy/Rehabilitation -- Methods -- Italy/Research/Seminars and Workshops

Aim: To show the feasibility and effect of a large formation effort focused on the International Classification of Functioning, Disability and Health (ICF), which may introduce a revolutionary new conceptual framework for people involved in rehabilitation services.

Masala C, Petretto DR.

From disablement to enablement: Conceptual models of disability in the 20th century.

Disability and Rehabilitation 2008; 30(17):1233-1244.

Keywords: Classification/Disabilities/Environment/Health/Italy/Language/World Health/World Health Organization

Aim: The aim of this work is to provide a general view of the conceptual elaborations on disablement in the 20th century and to discuss the role of these different contributions in developing the current concepts of disablement.

McCormack J, Worrall LE.

The ICF Body Functions and Structures related to speech-language pathology.

International Journal of Speech-Language Pathology 2008; 10(1):9-17.

Keywords: Australia/body functions/body structures/Classification/Coding/Communication/Disabilities/Health/International Classification of Diseases/International Classification of Functioning, Disability & Health/Language/Language Disorders/Oral Communication/Pathology/Physiological Psychology/Psycinfo/Research/speech language pathology

Aim: This paper outlines the Body Functions and Body Structures codes that are most relevant to speech-language pathology and discusses the overlap that occurs with the Activities and Participation component.

McLeod S, Threats TT.

The ICF-CY and children with communication disabilities.

International Journal of Speech-Language Pathology 2008; 10(1):92-109.

Keywords: Australia/body functions/childhood development/Classification/Communication/communication disabilities/communication disability/communication disorders/Disabilities/Education/Health/hearing/International Classification of Diseases/International Classification of Functioning, Disability & Health Children & Youth Version/Language/Language Disorders/pathologists/Pathology/Prevalence/Psycinfo/Research/speech/speech language pathology/World Health/World Health Organization

Aim: This paper describes the international and interdisciplinary context in which the ICF-CY was created; then focuses on three major considerations in the development of the ICF-CY: the inclusion of universal perspectives on the rights of children, the need for adherence to the structure of the ICF and the specific issues regarding the use of qualifiers with children.

McPoil TG, Martin RL, Cornwall MW, Wukich DK, Irrgang JJ, Godges JJ.

Heel pain--plantar fasciitis: clinical practice guidelines linked to the international classification of function, disability, and health from the orthopaedic section of the American Physical Therapy Association.

The Journal Of Orthopaedic And Sports Physical Therapy 2008; 38(4):A1-a18.

Keywords: Classification/Disability Evaluation/Disabled Persons/*classification/Fasciitis,Plantar/*rehabilitation/Fasciitis,Plantar/diagnosis/Fasciitis,Plantar/physiopathology/Health/Heel/*physiopathology/Humans/Orthopedics/*Pain/*etiology/Physical Therapists/Physical Therapy/Physical Therapy (Specialty)*/Practice Guidelines/Practice Guidelines as Topic*/Societies,Medical/*standards/World Health/World Health Organization

Aim: The purpose of these practice guidelines is to describe evidence-based orthopaedic physical therapy clinical practice and provide recommendations for (1) examination and diagnostic classification based on body functions and body structures, activity limitations, and participation restrictions, (2) prognosis, (3) interventions provided by physical therapists, and (4) assessment of outcome for common musculoskeletal disorders

Medina CA, Croce C, Candiotti K, Takacs P.

Comparison of vaginal length after iliococcygeus fixation and sacrospinous ligament fixation.

International Journal Of Gynaecology And Obstetrics: The Official Organ Of The International Federation Of Gynaecology And Obstetrics 2008; 100(3):267-270.

Keywords: Aged/Comparative Studies/Female/Gynecologic Surgical Procedures/*adverse effects/Humans/Ligaments/surgery/Middle Aged/Pelvic Floor/surgery/Postoperative Period/Retrospective Studies/Uterine Prolapse/*surgery/Vagina/*pathology/Vaginal Diseases/*etiology/Vaginal Diseases/pathology

Aim: To compare vaginal length after iliococcygeus fixation (ICF) and sacrospinous ligament fixation (SSLF).

Misajon R, Pallant JF, Manderson L, Chirawatkul S.

Measuring the impact of health problems among adults with limited mobility in Thailand: further validation of the Perceived Impact of Problem Profile.

Health And Quality Of Life Outcomes 2008; 6:6.

Keywords: Activities of Daily Living/Adult/Anxiety/Australia/Depression/Disabilities/Disabled Persons/*psychology/Female/Health/Humans/Language/Male/Mobility Limitation*/Psychological Well-Being/Psychometrics/*instrumentation/Quality of Life*/Questionnaires/Rasch Analysis/Reproducibility of Results/Research/Scales/Self Care/Sickness Impact Profile*/Social Behavior/Stress, Psychological/Thailand/Validation Studies

Aim: The aim of this study was to assess the validity of the Perceived Impact of Problem Profile (PIPP) for use among adults with a disability in Thailand using Rasch analysis.

Mitchell L.

Can the International Classification of Functioning, Disability and Health (ICF) provide high-level descriptions of Scottish physiotherapy cases?

Advances in Physiotherapy 2008; 10(3):119-126.

Keywords: Classification/Descriptive Statistics/Education/Environment/Europe/Government/Health/Human Body/International Classification of Functioning, Disability, and Health/National Health Programs/Physical Therapy/Physical Therapy -- Scotland/Research/Scotland/Technology

Aim: This study highlights the way the International Classification of Functioning, Disability and Health (ICF) was used in the Scottish Executive Health Department-initiated Allied Health Professions Caseload Census across NHS Scotland in 2005, as a means of describing physiotherapy cases for the purpose of national comparative statistics. It discusses some questions and implications on physiotherapy, education, government, technology and terminology services

Mittrach R, Grill E,

Walchner-Bonjean M, Scheuringer M, Boldt C, Huber EO et al. Goals of physiotherapy interventions can be described using the International Classification of Functioning, Disability and Health.

Physiotherapy 2008; 94(2):150-157.

Keywords: Classification/Cross Sectional Studies/Data Analysis Software/Descriptive Statistics/Diagnosis/Documentation/Female/Germany/Goal-Setting/International Classification of Functioning, Disability, and Health/Interviews/Male/Middle Age/Physical Therapy/Questionnaires/Switzerland

Aim: To provide an example of how goals of physiotherapy interventions and their typical patterns can be described using the International Classification of Functioning, Disability and Health (ICF)

Moriello C, Byrne K, Cieza A, Nash C, Stolee P, Mayo N.

Mapping the Stroke Impact Scale (SIS-16) to the international classification of Functioning, Disability and Health.

Journal of Rehabilitation Medicine 2008; 40(2):102-106.

Keywords: Adult/Aged/Aged,80 and Over/Canada/Classification/Clinical Assessment Tools/Coding/Delphi Technique/Europe/Female/Functional Assessment/Functional Status/Health/International Classification of Functioning,Disability,and Health/Male/Middle Age/Physical Therapy/Research/Scales/stroke/Stroke -- Physiopathology

Aim: To demonstrate how the International Classification of Functioning, Disability and Health (ICF) can be used to create coded functional status indicators specific for stroke from a simple stroke-specific functional index, the Stroke Impact Scale-16 (SIS-16) .

Mortenson WB, Miller WC, Auger C.

Issues for the selection of wheelchair-specific activity and participation outcome measures: a review.

Archives of Physical Medicine & Rehabilitation 2008; 89(6):1177-1186.

Keywords: Adult/Canada/Classification/Databases/Disability Evaluation/Disabled/Medline/Occupational Therapy/Physical Therapy/Psychometrics/Rehabilitation/Reproducibility of Results/Wheelchairs/World Health

Aim: To use the World Health Organization's International Classification of Functioning, Disability and Health as a framework to identify and to evaluate wheelchair-specific outcome instruments that are useful for measuring activity and participation.

Mueller M, Boldt C, Grill E, Strobl R, Stucki G.

Identification of ICF categories relevant for nursing in the situation of acute and early post-acute rehabilitation.

BMC Nursing 2008; 7:3.

Keywords:

Attention/Classification/Communication/Disabilities/Germany/Health/Language/Patients/Recovery/Rehabilitation/Rehabilitation Nursing/rehabilitation science/Research/Science.

Aim: The objective of this study was to identify the categories of the International Classification of Functioning, Disability and Health (ICF) categories relevant for nursing care in the situation of acute and early post-acute rehabilitation.

Mulhorn KA, Threats TT.

Speech, hearing, and communication across five national disability surveys: Results of a DISTAB study using the ICF to compare prevalence patterns.

International Journal of Speech-Language Pathology 2008; 10(1):61-71.

Keywords: Adult/Aged/Auditory Perception/Canada/Classification/Communication/communication disorders/Disabilities/Disability Evaluation/Disability Tabulations/disorder prevalence/Epidemiology/Evaluation/Female/Health/hearing/International Classification of Diseases/International Classification of Functioning,Disability & Health/Language/Language Disorders/Male/Middle Age/Netherlands/Oral Communication/Pathology/Prevalence/Psycinfo/Quantitative Studies/Science/South Africa/speech/speech language pathology/Surveys/Swallowing/United States

Aim: This paper describes how the International Classification of Functioning, Disability and Health (ICF) can be used as a statistical tool and addresses the implications of the DISTAB study in which speech, hearing and communication prevalence rates were examined in adults across five countries--Canada, France, the Netherlands, South Africa and the United States.

Nieuwboer A, Rochester L, Jones D.

Cueing gait and gait-related mobility in patients with Parkinson's disease: developing a therapeutic method based on the International Classification of Functioning, Disability, and Health.

Topics in Geriatric Rehabilitation 2008; 24(2):151-165.

Keywords: Activities of Daily Living/Attention/Brain -- Physiopathology/Classification/Clinical Trials/Conceptual Framework/Cues/Faculty/Gait -- Physiology/Gait Analysis/Gait Training/Health/International Classification of Functioning,Disability,and Health/Parkinson Disease -- Physiopathology/Parkinson Disease -- Rehabilitation/Physical Mobility/Physical Therapy/Psychomotor Performance/Rehabilitation/Research/Severity of Illness Indices/Treatment

Outcomes/Walking

Aim: This review addresses the therapeutic application of cueing to gait and mobility problems in Parkinson's disease, considered against the conceptual framework of the International Classification of Functioning, Disability, and Health and covering the broad domains that impact overall health and function.

Nijhuis BJG, Reinders-Messelink HA, de Bl+@court ACE, Ties JG, Boonstra AM, Groothoff JW et al.

Needs, problems and rehabilitation goals of young children with cerebral palsy as formulated in the rehabilitation activities profile for children.

Journal of Rehabilitation Medicine 2008; 40(5):347-354.

Keywords: Adult/Cerebral Palsy/Cerebral Palsy -- Rehabilitation -- In Infancy and Childhood/Child/Child,Preschool/Classification/Clinical Assessment Tools/Collaboration/Communication/Content Analysis/Data Analysis Software/Descriptive Research/Descriptive Statistics/Disability Evaluation -- In Infancy and Childhood/Female/Funding Source/Goals and Objectives/Health/International Classification of Functioning,Disability,and Health/Interrater Reliability/Kappa Statistic/Male/Middle Age/Multidisciplinary Care Team/Needs Assessment -- In Infancy and Childhood/Netherlands/Physical Therapy/Record Review/Rehabilitation/Rehabilitation,Pediatric/Research

Aim: To describe the content of needs, problems and goals of 41 Dutch children with cerebral palsy using the International Classification of Functioning, Disability and Health for Children and Youth (ICF-CY) as a classification system. To evaluate the adherence of formulations of needs, problems and goals to specifications of the Rehabilitation Activities Profile for Children.

Nijhuis BJG, Reinders-Messelink HA, de Bl+@court ACE, Boonstra AM, Calam+® EHM, Groothoff JW et al.

Goal setting in Dutch paediatric rehabilitation. Are the needs and principal problems of children with cerebral palsy integrated into their rehabilitation goals?

Clinical Rehabilitation 2008; 22(4):348-363.

Keywords: Aged/Cerebral Palsy/Cerebral Palsy -- Rehabilitation -- In Infancy and Childhood/Child/Child,Preschool/Classification/Clinical Assessment Tools/Content Analysis/Data Analysis Software/Descriptive Research/Descriptive Statistics/Female/Funding Source/Goal-Setting/Health/Health Services Needs and Demand/International Classification of Functioning,Disability,and Health/Interrater Reliability/Kappa Statistic/Male/Multicenter Studies/Needs Assessment/Netherlands/Record Review/Rehabilitation/Rehabilitation,Pediatric/Research

Aim: To evaluate whether the needs and principal problems of children with cerebral palsy (CP) as formulated in their interdisciplinary rehabilitation reports are integrated into the goal descriptions and whether this depends on the nature of the needs and problems.

O'Halloran R, Hickson L, Worrall L.

Environmental factors that influence communication between people with communication disability and their healthcare providers in hospital: a review of the literature within the International Classification of Functioning, Disability and Health (ICF) framework.

International Journal Of Language & Communication Disorders / Royal College Of Speech & Language Therapists 2008; 43(6):601-632.

Keywords: Adult/Classification/Communication/Health/Queensland/Research/World Health/World Health Organization

Aim: This paper reviews the literature on the environmental factors that influence communication between adults with communication disabilities and their healthcare providers in the acute hospital setting within the framework of the World Health Organization's International Classification of Functioning, Disability and Health (ICF) (2001). It focuses in particular on the environmental factors that facilitate or create barriers for people with communication disabilities because environmental factors can be modified so that acute care hospitals can become more accessible communicative environments for all people.

O'Halloran R, Larkins B.

The ICF Activities and Participation related to speech-language pathology.

International Journal of Speech-Language Pathology 2008; 10(1):18-26.

Keywords: Australia/Classification/Communication/Disabilities/Health/International Classification of Diseases/International Classification of Functioning, Disability & Health/Language/Language Disorders/Oral Communication/Pathology/Queensland/speech language pathology/Swallowing/swallowing disability/World Health/World Health Organization

Aim: This paper describes the Activities and Participation component of the ICF and how communication is currently represented in this component. This paper then explores the current debate between the concepts of activities and participation and how this can continue to inform and develop our understanding of communication activity and communication participation into the future.

Okawa Y, Ueda S.

Implementation of the International Classification of Functioning, Disability and Health in national legislation and policy in Japan.

International Journal of Rehabilitation Research 2008; 31(1):73-77.

Keywords: Aged/Aged,80 and Over/Classification/Communities/Disabled -- Legislation and Jurisprudence -- Japan/Health/Health Policy/Insurance,Long Term Care/International Classification of Functioning,Disability,and Health/Japan/National Health Programs/Rehabilitation/Rehabilitation -- Legislation and Jurisprudence -- Japan/Rehabilitation, Geriatric/Social Welfare

Aim: The purpose of this paper is to present the results of a survey on the implementation of the International Classification of Functioning, Disability and Health (ICF) in legislation and policy in the fields of health, welfare and disability in Japan. In pursuance of this aim, we scrutinized the relevant laws, regulations and policy statements issued in Japan in recent years.

Okawa Y, Ueda S, Shuto K, Mizoguchi T.

Development of criteria for the qualifiers of activity and participation in the 'International Classification of Functioning, Disability and Health' based on the accumulated data of population surveys.

International Journal of Rehabilitation Research 2008; 31(1):97-103.

Keywords: Activities of Daily Living/Aged/Aged,80 and Over/Classification/Communities/Descriptive Statistics/Disability Evaluation/Functional Status/Gait Analysis/Health/International Classification of Functioning,Disability,and Health/Japan/Leisure Activities/Questionnaires/Research/Surveys

Aim: One of the purposes of this study is to describe the details and rationale of the criteria for qualifiers of the activity and participation of the International Classification of Functioning, Disability and Health that were developed based on population surveys and adopted provisionally by the International Classification of Functioning, Disability and Health Committee, Statistics Commission of Social Security Council of Japan in March 2007.

Olusanya BO, Somefun AO, Swanepoel DW.

The need for standardization of methods for worldwide infant hearing screening: a systematic review.

The Laryngoscope 2008; 118(10):1830-1836.

Keywords: Developing Countries*/Hearing Loss/*diagnosis/Hearing Loss/epidemiology/Hearing Tests/*standards/Humans/Infant/Infant,Newborn/Neonatal Screening

Aim: This article systematically reviewed the current practices in developing countries for programs aimed at early detection of "disabling" congenital and early-onset HL and found significant variations which undermine comparability of key findings in the reported studies.

Paltamaa J, Sarasoja T, Leskinen E, Wikstrom J, Malkia E.

Measuring deterioration in International Classification of Functioning domains of people with multiple sclerosis who are ambulatory.

Physical Therapy 2008; 88(2):176-190.

Keywords: Activities of Daily Living/Classification/Clinical Assessment Tools/Confidence Intervals/Data Analysis Software/Disability Evaluation/Dynamometry/Exercise Test,Muscular/Exertion/Funding Source/Health/Heart Rate/International Classification of Functioning,Disability,and Health/Kappa Statistic/Kruskal-Wallis Test/Mann-Whitney U Test/Multiple Sclerosis -- Physiopathology/Physical Medicine/Physical Therapy/Prospective Studies/Regression/Rehabilitation/Research/ROC Curve/Scales/Self Care

Aim: The purpose of this study was to select the most responsive physical functioning measures for multiple sclerosis (MS) using the International Classification of Functioning, Disability and Health (ICF) as a framework.

Parush S, Rihtman T.

Participation of children with cerebral palsy in leisure activities supports the current ICF health paradigm.

Developmental Medicine & Child Neurology 2008; 50(10):726.

Keywords: Cerebral Palsy/Health/Ireland/Leisure Activities/Occupational Therapy

Paul B, Leitner C, Vacariu G, Wick F, Zehetmayer S, Matzner M et al.

Low-back pain assessment based on the Brief ICF Core Sets: diagnostic relevance of motor performance and psychological tests... International Classification of Functioning, Disability and Health (ICF).

American Journal of Physical Medicine & Rehabilitation 2008; 87(6):452-460.

Keywords: Adult/Austria/Body Mass Index/Chronic Pain -- Classification/Chronic Pain -- Diagnosis/Classification/Clinical Assessment Tools -- Evaluation/Confidence Intervals/Cross Sectional Studies/Data Analysis Software/Depression/Descriptive Statistics/Dynamometry/External Validity/Factor Analysis/Faculty/Female/Funding Source/International Classification of Functioning,Disability,and Health/Linear Regression/Logistic Regression/Low Back Pain -- Classification/Low Back Pain -- Diagnosis/Low Back Pain -- Psychosocial Factors/Male/Matched Case Control/Middle Age/Muscle Strength/Odds Ratio/Physical Endurance/Physical Therapy/Posture/Psychological Tests/Questionnaires/ROC Curve/Scales/Sensitivity and Specificity/Summated Rating Scaling/Symptom Checklist-90-Revised/Torque/Torso/Univariate Statistics/Visual Analog Scaling

Aim: The Brief International Classification of Functioning, Disability and Health (ICF) Core Sets for chronic low-back pain (cLBP) have included the three body functional categories sensation of pain, muscle functions, and emotional functions. As the latter two categories represent umbrella terms, the objective of this research was to identify those clinical tests that most expediently substantiate these two categories.

Pieterse AJ, Cup EHC, Knuijt S, Hendricks HT, van Engelen BGM, G et al.

Development of a tool to guide referral of patients with neuromuscular disorders to allied health services. Part one.

Disability & Rehabilitation 2008; 30(11):855-862.

Keywords: Adult/Aged/Classification/Construct Validity/Convenience Sample/Data Analysis Software/Decision Making,Clinical/Descriptive Statistics/Face Validity/Female/Instrument Construction/Instrument Validation/International Classification of Functioning,Disability,and Health/Male/Middle Age/Netherlands/Neuromuscular Diseases -- Rehabilitation/Occupational Therapy/Patient Attitudes/Physical Therapy/Questionnaires/Record Review/Referral and Consultation/Scales/Spearman's Rank Correlation Coefficient/Speech Therapy/Validation Studies

Aim: We present a construct for a questionnaire, the Perceived Limitations in Activities and Needs Questionnaire (PLAN-Q). Its aim is to signal problems and needs of patients with chronic, slowly progressive NMD with a view to referral for one-off consultations by OT, PT and ST. We report on the construct, item pool, response options and the item reduction procedure as the first development stages for the PLAN-Q.

Pisoni C, Giardini A, Majani G, Maini M.

International Classification of Functioning, Disability and Health (ICF) Core Sets for osteoarthritis. A useful tool in the follow-up of patients after joint arthroplasty.

European Journal Of Physical And Rehabilitation Medicine 2008; 44(4):377-385.

Keywords: Classification/Health/Osteoarthritis/Rehabilitation/Research

Aim: The first aim of this study was to verify the applicability of the International Classification of Functioning Disability and Health (ICF) core set for osteoarthritis (OA) as an outcome tool after the total hip arthroplasty (THA) and total knee arthroplasty (TKA), in order to follow the changes of the profile of functioning after joint arthroplasty.

Post MWM, De Witte LP, Reichrath E, Verdonshot MM, Wijlhuizen GJ, Perenboom RJM.

Development and validation of IMPACT-S, an ICF-based questionnaire to measure activities and participation.

Journal of Rehabilitation Medicine 2008; 40(8):620-627.

Keywords: Europe/Health/Netherlands/Physical Therapy/Rehabilitation

Prodinger B, Cieza A, Williams DA, Mease P, Boonen A, Kersch-Schindl K et al.

Measuring health in patients with fibromyalgia: content comparison of questionnaires based on the International Classification of Functioning, Disability and Health.

Arthritis & Rheumatism: Arthritis Care & Research 2008; 59(5):650-658.

Keywords: Austria/CINAHL Database/Classification/Data Analysis Software/Embase/Fibromyalgia/Fibromyalgia -- Symptoms/Health/Instrument Validation/International Classification of Functioning, Disability, and Health/Kappa Statistic/Medline/Psycinfo/Quality of Life/Questionnaires/Research

Rat AC, Guillemin F, Pouchot J. Mapping the osteoarthritis knee and hip quality of life (OAKHQOL) instrument to the international classification of functioning, disability and health and comparison to five health status instruments used in osteoarthritis. Rheumatology (Oxford, England) 2008; 47(11):1719-1725.

Aim: To map the content of the OsteoArthritis Knee and Hip Quality Of Life (OAKHQOL) scale to the International Classification of Functioning, Disability and Health (ICF). To compare the OAKHQOL with other instruments used in OA using the ICF core set for OA (OA core set).

Rauch A, Cieza A, Stucki G.

How to apply the International Classification of Functioning, Disability and Health (ICF) for rehabilitation management in clinical practice.

European Journal Of Physical And Rehabilitation Medicine 2008; 44(3):329-342.

Aim: Rehabilitation aims to enable people experiencing or likely to experience disability to achieve and maintain optimal functioning. Consequently, the assessment of functioning is the starting point of a patient and goal oriented rehabilitation process. Within the International Classification of Functioning, Disability and Health (ICF) rehabilitation practitioners can rely for the first on a worldwide accepted model providing a universal language for the description and classification of functioning.

Ravnborg M, Storr L.

[Is "quality of life" a relevant goal in clinical studies of rehabilitation?].

Ugeskrift For Laeger 2008; 170(10):859-861.

Keywords: Activities of Daily Living/Adaptation, Physiological/Adaptation, Psychological/Clinical Trials as Topic/Disability Evaluation/Humans/Nervous System Diseases/*rehabilitation/Nervous System Diseases/physiopathology/Nervous System Diseases/psychology/Outcome Assessment (Health Care)/Quality of Life/Quality of Life*/Questionnaires/Rehabilitation

Reed GM, Dilfer K, Bufka LF, Scherer MJ, Kotze P, Tshivhase M et al.

Three model curricula for teaching clinicians to use the ICF.

Disability & Rehabilitation 2008; 30(12-13):927-941.

Keywords: Attitude of Health Personnel/Coding/Convenience Sample/Counseling/Curriculum/Descriptive Statistics/Education, Graduate/Education, Non-Traditional/Education, Occupational Therapy/Factor Analysis/Faculty/Funding Source/Health Knowledge -- Evaluation/International Classification of Functioning, Disability, and Health -- Education/International Classification of Functioning, Disability, and Health -- Utilization/Internship and Residency/Missouri/Outcomes of Education/ Paired T-Tests/Physical Therapy/Pretest-Posttest Design/Program Evaluation/Random Assignment/Rehabilitation/Scales/Self Directed Learning/Seminars and Workshops/South Africa/Student Attitudes -- Evaluation/Summated Rating Scaling/T-Tests/Teaching Methods

Aim: Three systematic programmes to train health professionals to use the World Health Organization's International Classification of Functioning, Disability, and Health (ICF) are described, along with efforts to evaluate their effectiveness.

Rejeski WJ, Ip EH, Marsh AP, Miller ME, Farmer DF.

Measuring disability in older adults: the International Classification System of Functioning, Disability and Health (ICF) framework.

Geriatrics & Gerontology International 2008; 8(1):48-54.

Keywords: Activities of Daily Living/Activities of Daily Living/classification/Adult/Aged/Chronic Disease/Classification/Disability Evaluation*/Disabled Persons/*classification/Exercise/Factor Analysis, Statistical/Female/Geriatric Assessment/*classification/Health/Humans/Internal Consistency/International Classification of Diseases/*classification/Male/Middle Aged/Outcome Assessment (Health Care)/Psychometrics/Questionnaires/Randomized Controlled Trials as Topic/Reproducibility of Results/Research/Retrospective Studies/Scales/Sickness Impact Profile

Aim: The current project was designed to conduct such as analysis, and then to examine the psychometric properties of a measure that is based on this conceptual structure.

Richardson B.

Rehabilitation, lifestyle and the ICF -- do they match?

Advances in Physiotherapy 2008; 10(3):105-107.

Keywords: Congresses and Conferences/Debates and Debating/Europe/Health/International Classification of Functioning, Disability, and Health/Life Style/Physical Mobility/Physical Therapy/Rehabilitation/Science/Serial Publications/World Health Organization

Riddle DL, Stratford PW, Bowman DH.

Findings of extensive variation in the types of outcome measures used in hip and knee replacement clinical trials: a systematic review.

Arthritis And Rheumatism 2008; 59(6):876-883.

Keywords: Arthroplasty, Replacement, Hip*/Arthroplasty, Replacement, Knee*/Classification/Databases/Functional Status/Humans/Medline/Models, Theoretical/Outcome Assessment (Health Care)/*methods/Randomized Controlled Trials as Topic/Treatment Outcome/World Health

Aim: To describe the extent of variation in outcome measure usage in hip and knee replacement randomized trial literature, and to summarize this variation in the context of the International Classification of Functioning, Disability, and Health (ICF) conceptual model created by the World Health Organization (WHO).

Russo RN, Miller MD, Haan E, Cameron ID, Crotty M.

Pain characteristics and their association with quality of life and self-concept in children with hemiplegic cerebral palsy identified from a population register.

Clinical Journal of Pain 2008; 24(4):335-342.

Keywords: Aged/Cerebral Palsy/Cerebral Palsy -- Complications/Chi Square Test/Child/Classification/Communities/Confidence Intervals/Data Analysis Software/Female/Fisher's Exact Test/Funding Source/Health/Male/Pain -- Psychosocial Factors -- In Infancy and Childhood/Prevalence/Quality of

Life/Rehabilitation/Research/Scales/Self Concept/T-Tests/World Health/World Health Organization

Aim: To describe and characterize the prevalence and quality of pain in a population-based community sample of children with hemiplegic cerebral palsy.

Ryan CA, Stiell KM, Gailey GF, Makinen JA.

Evaluating a family centered approach to leisure education and community reintegration following a stroke.

Therapeutic Recreation Journal 2008; 42(2):119-131.

Keywords: Aged/Canada/Clinical Assessment Tools/Communities/Community Reintegration/Consumer Attitudes -- Evaluation/Convenience Sample/Data Analysis Software/Descriptive Statistics/Education/Family Centered Care/Female/Funding Source/Health/Internal Consistency/Interview Guides/Interviews/Leisure Activities/Male/Middle Age/Multidisciplinary Care Team/Physical Therapy/Pretest-Posttest Design/Prospective Studies/Research/Self Report/stroke/Stroke -- Rehabilitation/Summated Rating Scaling/Test-Retest Reliability/Univariate Statistics/World Health/World Health Organization

Aim: Seventeen couples in which one partner has had a stroke and were at least 6 months post discharge from a health facility took part in a project to develop a multidisciplinary family centered community stroke program.

Saleh MN, Korner-Bitensky N, Snider L, Malouin F, Mazer B, Kennedy E et al.

Actual vs. best practices for young children with cerebral palsy: a survey of paediatric occupational therapists and physical therapists in Quebec, Canada.

Developmental Neurorehabilitation 2008; 11(1):60-80.

Keywords: Activities of Daily Living/Attention/Canada/Cerebral Palsy/Cerebral Palsy/*rehabilitation/Child,Preschool/Classification/clinical practice/Cross-Sectional Studies/Disabilities/Education/Faculty/Female/Gait/Health/Humans/Infant/Interviews as Topic/Language/Male/Multicenter Studies/Occupational Therapists/Occupational Therapy/Occupational Therapy/*standards/Pediatrics/*standards/Physical Therapists/Physical Therapy/Physical Therapy Modalities/*standards/Quality of Health Care*/Quebec/Rehabilitation/Research/Telephone/Treatment Outcome

Aim: This study describes OT and PT practices for young children with CP in Quebec, Canada.

Sanderson K, Nicholson J, Graves N, Tilse E, Oldenburg B.

Mental health in the workplace: using the ICF to model the prospective associations between symptoms, activities, participation and environmental factors.

Disability and Rehabilitation 2008; 30(17):1289-1297.

Keywords: environmental factors/Health/Ireland/Mental Health/Occupational Therapy/Physical Therapy/Research

Saunders K, Merikangas K, Low NC, Von Korff M, Kessler RC.

Impact of comorbidity on headache-related disability.

Neurology 2008; 70(7):538-547.

Keywords: Activities of Daily Living -- Psychosocial Factors/Adolescence/Adult/Chronic Disease -- Epidemiology/Classification/Comorbidity/Data Collection/Disability Evaluation/Economic Aspects of Illness/Female/Headache -- Epidemiology/Health/Interview Guides/Male/Mental Disorders -- Epidemiology/Middle Age/Migraine -- Epidemiology/Odds Ratio/Pain -- Epidemiology/Prevalence/Research/Structured Interview/United States/World Health/World Health Organization

Aim: To assess and compare the extent to which comorbid conditions explain the role disability associated with migraine and other severe headaches.

Scherer MJ, Dicowden MA.

Organizing future research and intervention efforts on the impact and effects of gender differences on disability and rehabilitation: the usefulness of the International Classification of Functioning, Disability and Health (ICF).

Disability & Rehabilitation 2008; 30(3):161-165.

Keywords: Activities of Daily Living/Attitude to Disability/Classification/Conceptual Framework/Culture/Disability Evaluation/Disabled -- Classification/Female/Health/Health Status Indicators/International Classification of Functioning, Disability, and Health/Ireland/Life Style/Male/Needs Assessment/New York/Occupational Therapy/Physical Therapy/Rehabilitation/Rehabilitation -- Trends/Research/Research -- Trends/Sex Factors/Socioeconomic Factors/Technology/Technology -- Utilization/World Health Organization

Schlote A, Richter M, Wunderlich MT, Poppendick U, Moller C, Wallesch CW.

Use of the WHODAS II with stroke patients and their relatives: reliability and inter-rater-reliability [German].

Rehabilitation 2008; 47(1):31-38.

Keywords: Activities of Daily Living/Adolescence/Adult/Aged/Aged,80 and Over/Chi Square Test/Classification/Clinical Assessment Tools/Coefficient Alpha/Communication/Descriptive Statistics/Disability Evaluation/Europe/Family/Family Attitudes/Female/Functional Status/Germany/Health/Instrument Validation/Internal Consistency/Interrater Reliability/Intraclass Correlation Coefficient/Male/Middle Age/NIH Stroke Scale/P-Value/Patient Attitudes/Questionnaires/Research/Scales/Self Care/Spearman's Rank Correlation Coefficient/stroke/Stroke -- Rehabilitation/Stroke Patients/T-Tests/Validation Studies/World Health/World Health Organization

Aim: The present study aimed at measurements of reliability of the WHODAS II in its application to stroke patients and their closest others.

Schneider M, Manabile E, Tikly M.

Social aspects of living with rheumatoid arthritis: a qualitative descriptive study in Soweto, South Africa - a low resource context.

Health And Quality Of Life Outcomes 2008; 6:54.

Keywords: Activities of Daily Living*/Adult/Arthritis,Rheumatoid/*psychology/Arthritis,Rheumatoid/complications/Case Studies/Child/Classification/Communities/Convenience Sample/Cost of Illness*/Cross Sectional Studies/Cross-Sectional Studies/Disabilities/Disability Evaluation*/Employment/Employment/statistics & numerical data/Environment/environmental factors/Family/Female/Health/Health Status/Humans/International Classification of Diseases/Interviews/Interviews as Topic/Language/Middle Aged/Pain/etiology/Poverty/Quality of Life/Research/Science/Social Behavior*/South Africa/Study Design

Aim: Rheumatoid Arthritis (RA) is a chronic illness with important functional, social and employment consequences. We therefore undertook a cross-sectional study, using the International Classification of Functioning, Disability and Health framework, to investigate the personal and social consequences of RA in women, living under largely impoverished conditions.

Schraner I, de Jonge D, Layton N, Bringolf J, Molenda A.

Using the ICF in economic analyses of Assistive Technology systems: methodological implications of a user standpoint.

Disability & Rehabilitation 2008; 30(12-13):916-926.

Keywords: Activities of Daily Living/Adult/Assistive Technology -- Economics/Coding/Cost Benefit Analysis -- Methods/Costs and Cost Analysis -- Methods/Economics/Female/International Classification of Functioning, Disability, and Health -- Utilization/Male/Middle Age/Occupation (Human)/Paraplegia/Physical Therapy/Spinal Neoplasms -- Complications

Aim: This paper identifies key methodological issues for economic analyses of costs and effectiveness of Assistive Technology (AT) systems based on the International Classification of Functioning, Disability and Health (ICF). Following the biopsychosocial model of the ICF, the paper explores the consequences for cost-effectiveness analyses of AT systems when a user centred approach is taken. In so doing, the paper questions the fiction of neutrality in economic analyses and discusses the distinction between weak and strong objectivity

Schwarzkopf SR, Ewert T, Dreinh+Áfer KE, Cieza A, Stucki G.

Towards an ICF Core Set for chronic musculoskeletal conditions: commonalities across ICF Core Sets for osteoarthritis, rheumatoid arthritis, osteoporosis, low back pain and chronic widespread pain.

Clinical Rheumatology 2008; 27(11):1355-1361.

Aim: The aim is to identify relevant categories for the development of a tentative ICF Core Set for musculoskeletal and pain conditions.

Seelman KD.

Converging, pervasive technologies: chronic and emerging issues and policy adequacy.

Assistive Technology: The Official Journal Of RESNA 2008; 20(3):126.

Aim: This article is a thought piece with the expansive goal of identifying policy facilitators and barriers to the development of usable and accessible advanced information and communications technology for people with disabilities across the age span at the research and development and marketing stages.

Simkiss D.

The International Classification of Functioning Disability and Health.

Journal Of Tropical Pediatrics 2008; 54(3):149-150.

Keywords: Classification/Disability Evaluation*/Disabled Persons/*classification/Health/Health Status*/Humans

Skarakis-Doyle E, Doyle PC.

The ICF as a framework for interdisciplinary doctoral education in rehabilitation: Implications for speech-language pathology.

International Journal of Speech-Language Pathology 2008; 10(1):83-91.

Keywords: Canada/Classification/Communication/communication disorders/Disabilities/doctoral education/Education/Environment/Graduate Education/Health/Interdisciplinary Research/interdisciplinary study/International Classification of Diseases/International Classification of Functioning, Disability & Health/Language/Language Disorders/Pathology/Psycinfo/Rehabilitation/rehabilitation science/Research/Science/speech/speech language pathology

Aim: This paper describes the use of the International Classification of Functioning, Disability and Health (ICF) as an educational framework for the development of the Doctoral Programme in Rehabilitation Sciences at the University of Western Ontario in London, Canada.

Soberg HL, Finset A, Roise O, Bautz-Holter E.

Identification and comparison of rehabilitation goals after multiple injuries: an ICF analysis of the patients', physiotherapists' and other allied professionals' reported goals.

Journal of Rehabilitation Medicine 2008; 40(5):340-346.

Keywords: Adolescence/Adult/Aged/Attitude of Health Personnel/Chi Square Test/Classification/Coding/Comparative Studies/Data Analysis Software/Descriptive Statistics/Disability Evaluation/Female/Funding Source/Glasgow Coma Scale/Goals and Objectives/Health/International Classification of Functioning, Disability, and Health/Interrater Reliability/Intrater Reliability/Kappa Statistic/Male/Middle Age/Multiple Trauma -- Rehabilitation/Nonparametric Statistics/Norway/Nurses/Occupational Therapists/Open-Ended Questionnaires/Outpatients/Patient Attitudes/Physical Therapists/Physical Therapy/Prospective Studies/Questionnaires/Rehabilitation/Rehabilitation, Community-Based/Repeated Measures/Research/Scales/Self Report/Short Form-36 Health Survey (SF-36)/Social Workers/Structured Interview/T-Tests/Trauma Severity Indices

Aim: To explore and compare severely injured patients' rehabilitation goals with respect to their functioning and the reported goals of rehabilitation professionals.

Soberg HL, Sandvik L, Ostensjo S.

Reliability and applicability of the ICF in coding problems, resources and goals of persons with multiple injuries. Disability & Rehabilitation 2008; 30(2):98-106.

Keywords: Classification/Clinical Assessment Tools/clinical practice/Coding/Confidence Intervals/Data Analysis Software/Descriptive Statistics/Disabilities/Functional Assessment -- Methods/Functional Status/Funding Source/Health/Instrument Validation/International Classification of Functioning,Disability,and Health/Interrater Reliability/Intrarater Reliability/Ireland/Kappa Statistic/Language/Multiple Trauma -- Rehabilitation/Norway/Occupational Therapy/Physical Medicine/Physical Therapists/Physical Therapy/Rehabilitation/Reliability and Validity/Research/Validation Studies

Aim: The aim of this study was to examine the inter-rater and intra-rater reliability in assigning ICF codes to physiotherapists' descriptions of problems, resources and goals in rehabilitation of severely injured persons, and to explore the feasibility of the ICF for capturing the described functional status.

Stettin B.

Occupational therapy uses the concepts of ICF [German].

Ergotherapie & Rehabilitation 2008; 47(2):18-20.

Keywords: Classification/Europe/Functional Assessment -- Methods/Health/Health Status -- Evaluation/International Classification of Functioning,Disability,and Health -- Utilization/Occupational Therapy/Occupational Therapy Assessment -- Methods

Starrost K, Geyh S, Trautwein A, Grunow J, Ceballos-Baumann A, Prosiegel M et al.

Interrater reliability of the Extended ICF Core Set for Stroke applied by physical therapists... including commentary by Jette AM, and authors' response.

Physical Therapy 2008; 88(7):841-856.

Keywords: Adult/Aged/Aged,80 and Over/Confidence Intervals/Cross Sectional Studies/Data Analysis Software/Female/Germany/International Classification of Functioning,Disability,and Health/International Classification of Functioning,Disability,and Health -- Utilization/Interrater Reliability/Kappa Statistic/Male/Mann-Whitney U Test/Middle Age/Pearson's Correlation Coefficient/Physical Therapy/Physical Therapy Assessment/stroke/Stroke -- Rehabilitation/Validation Studies

Aim: The primary objective of this investigation was to study the agreement between physical therapists' ratings of subjects' functioning and disability with the Extended ICF Core Set for Stroke and with the ICF qualifier scale. Further objectives were to explore the relationships between agreement and rater confidence and between agreement and physical therapists' areas of core competence.

Stone J.

Recent application of the ICF. Guest editor's introduction and overview.

Disability and Rehabilitation 2008; 30(12-13):899-900.

Keywords: Activities of Daily Living/Disability Evaluation*/Disabled Persons*/rehabilitation/Disabled Persons/classification/Humans/Language/New York/Rehabilitation/Research

Stucki A, Cieza A, Michel F, Stucki G, Bentley A, Culebras A et al.

Developing ICF Core Sets for persons with sleep disorders based on the International Classification of Functioning, Disability and Health.

Sleep Medicine 2008; 9(2):191-198.

Keywords: Classification/clinical practice/Clinical Trials/Cross Sectional Studies/Cross-Sectional Studies/Disabilities/Disability Evaluation*/Focus Groups/Health/Health Status*/Humans/Internal Medicine/International Cooperation*/Language/Research/Sleep Disorders*/classification/Sleep Disorders*/prevention & control/Sleep Disorders/therapy/Switzerland/World Health Organization

Aim: The objective of this paper is to outline the developmental process for the ICF Core Sets for Sleep.

Stucki A, Cieza A, Schuurmans MM, Ustun B, Stucki G, Gradinger F et al.

Content comparison of health-related quality of life instruments for obstructive sleep apnea.

Sleep Medicine 2008; 9(2):199-206.

Keywords: Classification/Comparative Studies/Disabilities/Disorders of Excessive Somnolence/*epidemiology/environmental factors/Health/Health Status*/Humans/Internal Medicine/Kappa Statistic/Language/Mass Screening/Patients/Quality of Life/Quality of Life/*psychology/Quebec/Questionnaires*/Sleep Apnea,Obstructive/*epidemiology/Switzerland

Aim: The purpose of this study was to compare the content covered by OSA-specific instruments using the ICF.

Stucki G, Cieza A.

The International Classification of Functioning, Disability and Health (ICF) in physical and rehabilitation medicine.

European Journal Of Physical And Rehabilitation Medicine 2008; 44(3):299-302.

Stucki G, Kostanjsek N, Ustun B, Cieza A.

ICF-based classification and measurement of functioning.

European Journal Of Physical And Rehabilitation Medicine 2008; 44(3):315-328.

Aim: This paper therefore describes first how the ICF categories can serve as building blocks for the measurement of functioning and then the current state of the development of ICF based practical tools and international standards such as the ICF Core Sets. Finally it illustrates how to map the world of measures to the ICF and vice versa and the methodological principles relevant for the transformation of information obtained with a clinical test or a patient-oriented instrument to the ICF as well as the development of ICF-based clinical and self-reported measurement instruments

Stucki G, Reinhardt JD, Grimby G, Melvin J.

Developing research capacity in human functioning and rehabilitation research from the comprehensive perspective based on the ICF-model.

European Journal Of Physical And Rehabilitation Medicine 2008; 44(3):343-351.

Aim: Here the authors will summarize approaches to address these challenges with respect to three areas: the organization of Human Functioning and Rehabilitation Research into distinct scientific fields, the development of suitable academic training programs and the building of university centres and collaboration networks

Stucki G, Reinhardt JD, Cieza A, Brach M, Celio M, Joggi D et al.

Developing Swiss paraplegic research: building a research institution from the comprehensive perspective.

Disability & Rehabilitation 2008; 30(14):1063-1078.

Keywords: Assistive Technology/Career Planning and Development/Classification/Clinical Competence/Conceptual Framework/Functional Status/Health/Health Status/International Classification of Functioning, Disability, and Health -- Utilization/Ireland/Occupation (Human)/Occupational Therapy/Organizational Objectives -- Switzerland/Paraplegia -- Organizations -- Switzerland/Personnel Recruitment/Physical Therapy/Professional Competence/Rehabilitation/Research/Research Priorities/Research, Allied Health -- Switzerland/Spinal Cord Injuries/Staff Development/Study Design/Switzerland/Validation Studies/Workforce/World Health/World Health Organization

Aim: To illustrate the conceptualization and development of a research institution from the comprehensive perspective based on the integrative model of functioning provided by the World Health Organization's (WHO) International Classification of Functioning, Disability and Health (ICF). The newly founded research institution Swiss Paraplegic Research which focuses on the comprehensive study of spinal cord injury (SCI) serves as an example.

Sundar V, Daumen ME, Conley DJ, Stone JH.

The use of ICF codes for information retrieval in rehabilitation research: an empirical study.

Disability & Rehabilitation 2008; 30(12-13):955-962.

Keywords: Bibliography and References/Coding/Computerized Literature Searching -- Methods/Descriptive Statistics/Funding Source/Health Sciences Librarians/Information Retrieval -- Methods/International Classification of Functioning, Disability, and Health -- Utilization/Multidisciplinary Care Team/New York/Nomenclature/Physical Therapy/Reference Databases, Health -- Utilization/Rehabilitation/Research Personnel

Aim: This paper discusses a novel approach of using the International Classification of Functioning, Disability and Health (ICF) codes to retrieve rehabilitation research information.

Sykes C.

The International Classification of Functioning, Disability and Health: relevance and applicability to physiotherapy.

Advances in Physiotherapy 2008; 10(3):110-118.

Keywords:

Classification/Coding/Communication/Demography/Education/Environment/Epidemiology/Europe/Health/Health Services/International Classification of Functioning, Disability, and Health/Nomenclature/Physical Therapy/Physical Therapy -- Evaluation/Social Work Service/Technology/World Health Organization

Aim: This paper provides an outline of the ICF and its use in physical therapy practice and informs readers about the WHO context for maintaining and updating the ICF

Theiler R, Widler C.

[Standardized telephone interviews to monitor pain. Pilot study to determine feasibility].

Schmerz (Berlin, Germany) 2008; 22(1):75-81.

Keywords: Activities of Daily Living/Activities of Daily Living/classification/Analgesics, Opioid/*therapeutic use/Analgesics, Opioid/adverse effects/Back Pain/*drug therapy/Classification/Clinical Trials/Disability Evaluation/Documentation/methods/Feasibility Studies/Female/Humans/Interviews/Interviews as Topic/*standards/Male/Middle Aged/Musculoskeletal Diseases/*drug therapy/Outcome Assessment (Health Care)/*standards/Oxycodone/*therapeutic use/Oxycodone/adverse effects/Pain Measurement/*standards/Pain/*drug therapy/Patient Satisfaction/Patients/Pilot Projects/Pilot Studies/Quality of Life/Rehabilitation/Sensitivity and Specificity/Telephone

Aim: The goal of the present pilot study was to evaluate the feasibility of standardized telephone interviews in patients with refractory pain who had been switched to oxycodone in the setting of daily practice.

Thomas B, Connelly D, Laliberte-Rudman D.

The impact and use of walkers among older adults: a pilot.

Physical and Occupational Therapy in Geriatrics 2008; 27(1):36-72.

Keywords: Adult/Canada/Case Studies/Classification/clinical practice/Disabilities/environmental factors/Health/Occupational Therapy/Physical Therapy/Rehabilitation/rehabilitation science/Science

Aim: This study examined the effect of a prescribed walker on functional performance and explored the personal experiences of four community-dwelling older adults with impaired mobility.

Threats TT.

Use of the ICF for clinical practice in speech-language pathology.

International Journal of Speech-Language Pathology 2008; 10(1):50-60.

Keywords: Classification/clinical practice/Coding/Communication/communication disorders/Conceptual Framework/Disabilities/Health/International Classification of Diseases/International Classification of Functioning, Disability & Health/Language/Language Disorders/pathologists/Pathology/Science/speech language pathology/World

Health/World Health Organization

Aim: This article addresses issues discussed in the Procedural Manual and a range of complex issues regarding the clinical use of the ICF by speech-language pathologists.

Tobin C, Hevey D, Horgan NF, Coen RF, Cunningham CJ.

Health-related quality of life of stroke survivors attending the volunteer stroke scheme.

Irish Journal Of Medical Science 2008; 177(1):43-47.

Keywords: Activities of Daily Living/Aged/Cerebrovascular Disorders/*rehabilitation/Classification/Community Networks/*statistics & numerical data/Convenience Sample/Depression/Female/Health/Humans/Ireland/Male/Middle Aged/Quality of Life/Quality of Life*/Questionnaires/Research/Sickness Impact Profile*/stroke/Survivors/*statistics & numerical data

Aim: To provide the first profile of VSS attendees in terms of their functioning across the range of recommended WHO International Classification of Functioning, Disability and Health (ICF) outcomes.

Tschiesner U, Rogers SN, Harr+@us U, Berghaus A, Cieza A.

Content comparison of quality of life questionnaires used in head and neck cancer based on the international classification of functioning, disability and health: a systematic review.

European Archives Of Oto-Rhino-Laryngology: Official Journal Of The European Federation Of Oto-Rhino-Laryngological Societies (EUFOS): Affiliated With The German Society For Oto-Rhino-Laryngology - Head And Neck Surgery 2008; 265(6):627-637.

Keywords: Classification/Employment/Germany/Health/Quality of Life/Questionnaires/Research

Aim: The objective of this study is to provide a content comparison of frequently used questionnaires that assess health-related quality of life (hrQOL) in head and neck cancer (HNC) survivors.

Valderas JM, Alonso J.

Patient reported outcome measures: a model-based classification system for research and clinical practice. Quality Of Life Research:

An International Journal Of Quality Of Life Aspects Of Treatment, Care And Rehabilitation 2008; 17(9):1125-1135.

Aim: Our aim was to develop a classification system for PRO measures based on a valid conceptual model.

Van Brakel WH, Officer A.

Approaches and tools for measuring disability in low and middle-income countries.

Leprosy Review 2008; 79(1):50-64.

Keywords: Classification/Conceptual Framework/Developing Countries/Disability Evaluation*/Disabled Persons*/Health/Humans/Leprosy/*complications/Netherlands/Poverty/Prevalence/Quality of Life/Rehabilitation/Reproducibility of Results/Research/Sickness Impact Profile/Socioeconomic Factors

Aim: To review the current state-of-the-art of measuring disability in the context of countries where leprosy is endemic.

Vanleit B.

Using the ICF to address needs of people with disabilities in international development: Cambodian case study.

Disability & Rehabilitation 2008; 30(12-13):991-998.

Keywords: Architectural Accessibility/Attitude to Disability/Cambodia/Classification/Developing Countries/Disabled -- Cambodia/Economic and Social Security/Education/Employment/Equipment and Supplies/Health Services Accessibility/Health Services Needs and Demand -- Evaluation -- Cambodia/International Classification of Functioning, Disability, and Health -- Utilization/Models, Theoretical/Physical Therapy/Quality of Life/Technology/Transportation

Aim: This paper suggests a framework based on the ICF for analyzing relationships between particular impairments and environmental factors that impede or enable activity and participation. Specific examples are offered from the developing country of Cambodia to illustrate this population-based use of the ICF.

Vansant AF.

The international classification of functioning, disability and health.

Pediatric Physical Therapy 2006; 18(4):237.

Keywords: Classification/Disabilities/Health/Physical Therapy

Veloza CA, Wang Y, Lehman L, Wang J.

Utilizing Rasch measurement models to develop a computer adaptive self-report of walking, climbing, and running.

Disability & Rehabilitation 2008; 30(6):458-467.

Keywords: Clinical Assessment Tools/Computerized Adaptive Testing/Conceptual Framework/Health/Instrument Construction/Models,Theoretical/Occupational Therapy/Physical Therapy/Psychometrics -- Methods/Questionnaires/Rehabilitation/Research/Running/Self Report/Software/Walking

Aim: The purpose of this paper is to show how the Rasch model can be used to develop a computer adaptive self-report of walking, climbing, and running.

Verbunt JA, Seelen HAM, Ramos FP, Michielsen BHM, Wetzelaer WL, Moennekens M.

Mental practice-based rehabilitation training to improve arm function and daily activity performance in stroke patients: a randomized clinical trial.

BMC Neurology 2008; 8:7.

Keywords: Disabilities/Exercise/Humans/Imagery (Psychotherapy)/*methods/Imagery (Psychotherapy)/economics/Language/Movement/physiology/Multicenter Studies/Netherlands/Paresis/etiology/Patients/Practice (Psychology)/Quality of Life/Rehabilitation/Research/Single-Blind Method/stroke/Stroke Patients/Stroke/*rehabilitation/Stroke/complications/Treatment Outcome

Aim: This study aims to evaluate a new therapy for improving arm function in sub-acute stroke patients based on mental practice theories and functional task-oriented training, and to study the predictors for a positive treatment result.

Verhoef J, Toussaint PJ, Putter H, Zwetsloot-Schonk JHM, Vlieland TPM.

The impact of introducing an ICF-based rehabilitation tool on staff satisfaction with multidisciplinary team care in rheumatology: an exploratory study.

Clinical Rehabilitation 2008; 22(1):23-37.

Keywords: Activities of Daily Living/Attitude of Health Personnel/Checklists/Chi Square Test/Clinical Assessment Tools/Data Analysis Software/Environment/Fisher's Exact Test/Functional Assessment/Health/International Classification of Functioning,Disability,and Health/Ireland/Job Satisfaction/Language/Mann-Whitney U Test/Multidisciplinary Care Team/Netherlands/Patient Care Conferences/Pretest-Posttest Design/Questionnaires/Rehabilitation/Research/Rheumatic Diseases -- Rehabilitation/Scales/T-Tests/Teamwork

Vissers M, R, Sluis T, Bergen M, Stam H, Bussmann H.

Barriers to and facilitators of everyday physical activity in persons with a spinal cord injury after discharge from the rehabilitation centre.

Journal of Rehabilitation Medicine 2008; 40(6):461-467.

Keywords: Activities of Daily Living/Adaptation,Psychological/Adult/Architectural Accessibility/Classification/Cross Sectional Studies/Disability Evaluation/Disabled/Disabled -- Psychosocial Factors/Exercise/Female/Male/Mental Health/Netherlands/Physical Therapy/Qualitative Studies/Quality of Life/Questionnaires/Rehabilitation/Retrospective Design/Self-Efficacy/Semi-Structured Interview/Spinal Cord Injuries -- Physiopathology/Spinal Cord Injuries -- Psychosocial Factors/Spinal Cord Injuries -- Rehabilitation/Support,Psychosocial

Aim: To determine the most important barriers to and facilitators of the level of everyday physical activity in persons with a spinal cord injury after discharge from the rehabilitation centre.

Vitkovitch J.

Speech and language skills: their importance in development.

The Journal Of Family Health Care 2008; 18(3):93-95.

Keywords: Child/Child,Preschool/Communication/Disabilities/Early Intervention (Education)/Education/Employment/Health/Humans/Language/Language Development Disorders/*rehabilitation/Language Development Disorders/diagnosis/Referral and Consultation/speech

Aim: This article presents an overview of speech and language difficulties in children and briefly comments on intervention practices.

Watter P, Rodger S, Marinac J, Woodyatt G, Ziviani J, Ozanne A.

Multidisciplinary assessment of children with developmental coordination disorder: using the ICF framework to inform assessment.

Physical and Occupational Therapy in Pediatrics 2008; 28(4):331-350.

Keywords: Classification/Communication/Diagnosis/Female/Health/Male/Movement/Occupational Therapy/Physical Therapy/Research/Self-Efficacy/World Health

Aim: The aim of this study was to describe relationships in young children with motor coordination problems between measures of motor, functional, self-efficacy, and communication administered by a multidisciplinary team and the fit of these measures within the framework of the International Classification of Functioning, Disability and Health (ICF) (World Health Organisation, 2001).

Weigl M, Cieza A, Cantista P, Reinhardt JD, Stucki G.

Determinants of disability in chronic musculoskeletal health conditions: a literature review.

European Journal Of Physical And Rehabilitation Medicine 2008; 44(1):67-79.

Keywords: Attention/Chronic Disease/Classification/Disability Evaluation*/Exercise/Germany/Health/Health Status*/Humans/Musculoskeletal Diseases/*rehabilitation/Osteoarthritis/Outcome Assessment (Health Care)*/methods/Physical Medicine/Rehabilitation/Research/World Health/World Health Organization

Aim: The objective of this literature review was to contribute to the validation of the EF from the ICF Core Sets for MSC and the candidate PF from a (ICF) Delphi exercise, as well as from the report of the Bone and Joint Decade (BJD) Health Strategy Project.

Weigl M, Schwarzkopf SR, Stucki G.

[Using the International Classification of Functioning, Disability, and Health in rheumatologic rehabilitation.]

Zeitschrift F+r Rheumatologie 2008; 67(7):565-574.

Keywords: Classification/Health/Rehabilitation/Research/World Health/World Health Organization

Wirtz MA, Voigt-Radloff S.

The International Classification of Functioning, Disability and Health-orientated Occupational Therapy Assessment: a Rasch analysis of its domains.

International Journal of Rehabilitation Research 2008; 31(1):23-32.

Keywords: Activities of Daily Living/Adolescence/Adult/Aged/Aged,80 and Over/Austria/Classification/Data Analysis Software/Descriptive Statistics/Documentation/Female/Functional Status/Germany/Health/Instrument Validation/International Classification of Functioning,Disability,and Health/Male/Middle Age/Movement/Multicenter Studies/Occupational Therapists/Occupational Therapy/Occupational Therapy Assessment/P-Value/Prospective Studies/Rasch Analysis/Rehabilitation/Rehabilitation Centers/Rehabilitation Patients/Reliability and

Validity/Research/Research Instruments/Self Care/Switzerland/T-Tests/Validation Studies

Aim: The aim of the study was to evaluate and improve the psychometric properties of the Occupational Therapy Assessment (OTA) by means of Rasch analysis.

Worrall LE, Hickson L.

The use of the ICF in speech-language pathology research: Towards a research agenda.

International Journal of Speech-Language Pathology 2008; 10(1):72-77.

Keywords: Australia/Classification/Communication/communication disability/communication disorders/Disabilities/environmental factors/Health/International Classification of Diseases/International Classification of Functioning, Disability & Health/Language/Language Disorders/Pathology/Pyycinfo/Queensland/Rehabilitation/Research/Science/society/speech/speech language pathology

Aim: In this paper, a model proposed by Stucki and Grimby is used to describe research on a continuum from basic to professional, and from cell to society.

Wright FV, Rosenbaum PL, Goldsmith CH, Law M, Fehlings DL.

How do changes in body functions and structures, activity, and participation relate in children with cerebral palsy?

Developmental Medicine & Child Neurology 2008; 50(4):283-289.

Keywords: Botulinum Toxins -- Therapeutic Use/Canada/Cerebral Palsy/Cerebral Palsy -- Diagnosis/Cerebral Palsy -- Rehabilitation/Child/Child,Preschool/Classification/Female/Health/Injections,Intramuscular/Linear Regression/Male/Motor Skills -- Drug Effects/Neurologic Examination/Neurologic Examination -- Statistics and Numerical Data/Neuromuscular Agents -- Therapeutic Use/Outcome Assessment/Prospective Studies/Regression/Rehabilitation/Rehabilitation Centers/Repeated Measures/Research

Wynia K, Middel B, van Dijk JP, De Keyser JHA, Reijneveld SA.

The impact of disabilities on quality of life in people with multiple sclerosis.

Multiple Sclerosis (Houndmills, Basingstoke, England) 2008; 14(7):972-980.

Keywords: Activities of Daily Living/Adult/Disability Evaluation/Disabled Persons/*psychology/Disabled Persons/statistics & numerical data/Female/Health Status*/Humans/Male/Middle Aged/Multiple Sclerosis/*psychology/Multiple Sclerosis/epidemiology/Multiple Sclerosis/physiopathology/Prevalence/Quality of Life*/Regression Analysis

Aim: People with Multiple Sclerosis (MS) experience lower levels of quality of life (QOL) than people from the general population. We examined the relative impact of MS-related disabilities on QOL.

Wynia K, Middel B, van Dijk JP, de Ruiter H, De Keyser J, Reijneveld SA.

The Multiple Sclerosis Impact Profile (MSIP). Development and testing psychometric properties of an ICF-based health measure.

Disability & Rehabilitation 2008; 30(4):261-274.

Keywords: Activities of Daily Living/Adult/Aged/Aged,80 and Over/Chi Square Test/Classification/Coefficient Alpha/Cross Sectional Studies/Descriptive Statistics/Disability Evaluation/Discriminant Validity/Factor Analysis/Female/Health/Instrument Construction/Internal Consistency/International Classification of Diseases/Ireland/Male/Movement/Multiple Sclerosis -- Classification/Multiple Sclerosis -- Physiopathology/Multiple Sclerosis -- Psychosocial Factors/Multiple Sclerosis -- Rehabilitation/Multiple Sclerosis -- Symptoms/Netherlands/Occupational Therapy/One-Way Analysis of Variance/Physical Therapy/Post Hoc Analysis/Psychometrics/Questionnaires/Range of Motion/Reliability and Validity/Research/Scales/Self Report/Short Form-36 Health Survey (SF-36)/Sickness Impact Profile/Social Behavior -- Evaluation/Support,Psychosocial/T-Tests

Aim: The aim of this study was to develop and test the structure of the Multiple Sclerosis Impact Profile (MSIP), and to evaluate its reliability and validity within a large group of MS patients.

Wynia K, Middel B, de Ruiter H, van Dijk JP, De Keyser JHA, Reijneveld SA.

Stability and relative validity of the Multiple Sclerosis Impact Profile (MSIP).

Disability & Rehabilitation 2008; 30(14):1027-1038.

Keywords: Adult/Aged/Aged,80 and Over/Chi Square Test/Classification/Clinical Assessment Tools/Coefficient Alpha/Confidence Intervals/Criterion-Related Validity/Cross Sectional Studies/Descriptive Statistics/Effect Size/Female/Fisher's Exact Test/Functional Assessment/Health/Instrument Validation/Internal Consistency/International Classification of Functioning,Disability,and Health/Intraclass Correlation Coefficient/Ireland/Male/Middle Age/Multicenter Studies/Multiple Sclerosis/Netherlands/Occupational Therapy/Paired T-Tests/Patients/Physical Therapy/Post Hoc Analysis/Quality of Life/Quality of Life -- Evaluation/Questionnaires/Reliability and Validity/Repeated Measures/Research/Scales/Science/Short Form-36 Health Survey (SF-36)/T-Tests/Test-Retest Reliability/Validation Studies/World Health/World Health Organization

Aim: To examine the stability and relative validity of the Multiple Sclerosis Impact Profile (MSIP) in criterion-related groups.

Xie F, Lo NN, Lee HP, Cieza A, Li SC.

Validation of the International Classification of Functioning, Disability, and Health (ICF) Brief Core Set for osteoarthritis.

Scandinavian Journal Of Rheumatology 2008; 37(6):450-461.

Keywords: Canada/Classification/Comorbidity/Health/Linear Regression/Osteoarthritis/Regression/Research/Technology

Aim: To validate the International Classification of Functioning, Disability, and Health (ICF) Brief Core Set for osteoarthritis (OA) by comparing the preliminary Brief Core Set to a selection of categories from the Comprehensive Core Set that explain most of the variance of functioning and health.

Xiong T, Hartley S.

Challenges in linking health-status outcome measures and clinical assessment tools to the ICF.

Advances in Physiotherapy 2008; 10(3):152-156.

Keywords: Classification/Clinical Assessment Tools/Debates and Debating/Europe/Faculty/Health/Health Personnel/Health Status/International Classification of Functioning,Disability,and Health/Outcome Assessment/Physical Therapy/Rules and Regulations

Aim: This discussion paper focuses on using the International Classification of Functioning, Disability and Health (ICF) as a universal framework to examine health status outcome measures and clinical assessments. It reports challenges experienced whilst linking some assessment tools used by the allied health professions to the ICF.

Østerås N, Gulbrandsen P+, Garratt A, Benth JS, Dahl FA, Natvig B+ et al.

A randomised comparison of a four- and a five-point scale version of the Norwegian Function Assessment Scale.

Health And Quality Of Life Outcomes 2008; 6:14.

Keywords: Activities of Daily Living/*classification/Adult/Aged/Aged,80 and Over/Classification/Cohort Studies/Communities/Comparative Studies/Construct Validity/Disabilities/Disability Evaluation*/Faculty/Female/Health/Health Status Indicators*/Humans/Internal Consistency/Language/Male/Middle Aged/Norway/Questionnaires/Reproducibility of Results/Research/Sick Leave

Aim: There is variation in the number of response alternatives used within health-related questionnaires. This study compared a four-and a five-point scale version of the Norwegian Function Assessment Scale (NFAS) by evaluating data quality, internal consistency and validity.
