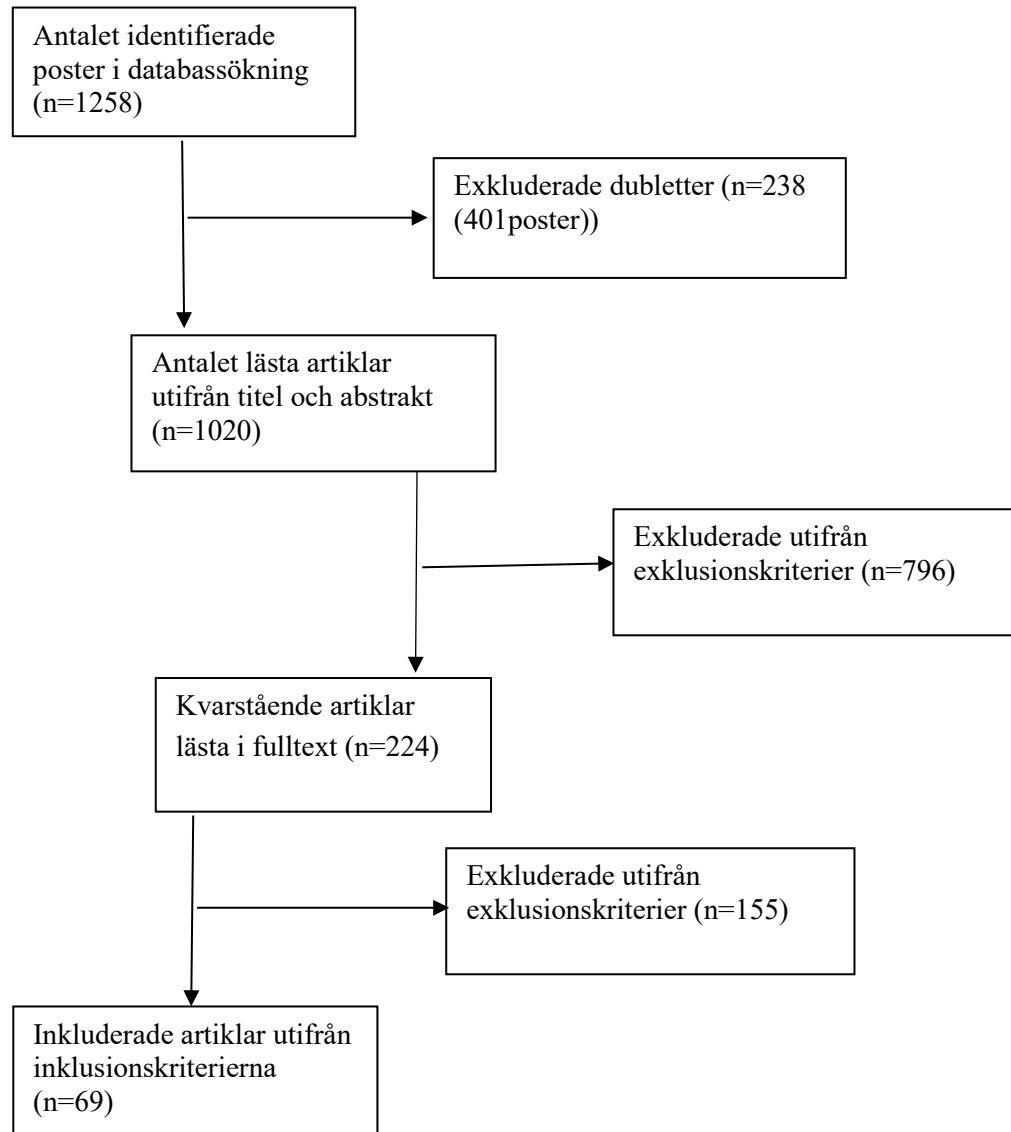


# Bilaga 1 Sökord

PI(C)OS	MESH	Free text search
P - personer med funktionsnedsättning i alla åldrar	disable* OR *cognitive impairment OR cognition disorders OR communication disorders OR intellectual disability OR learning disorders OR motor skill disorders OR mental disorder OR vision disorders OR hearing loss OR visually impaired person OR speech disorders OR deafness OR blindness	disabil* OR handicap OR "physical impairment" OR "motor impairment" OR "mental impairment" OR "cognition impairment" OR "visual impairment" OR "hearing impairment" OR "cognitive disorder" OR "functional impairment" OR "impaired person" OR "multiple disorder" OR "communication impairment" OR "Speech impairment" OR "multiple abnormal*" OR "motor disability" OR "physical disability" OR learning disability OR "mental retardation"
I - digital teknik	self-help devices OR communication aids for disabled OR telemedicine	"assistive technolog*" OR "assistive device" OR "assistive equipment" OR "self-help equipment" OR "assistive aid" OR "self-help technolog*" OR "technolog* aid*" OR "welfare technology" OR "care technology" OR "digital technology" OR Gerontechnology OR "healthcare technology" OR "virtual technology" OR "information technology" OR "adaptive technology" OR ehealth OR ICT
O - ökad delaktighet, självständighet, trygghet, självbestämmande eller aktivitet	patient participation OR personal autonomy OR self – determination OR freedom OR Old age assistance OR Activities of daily living	Participation OR involvement OR "client-centered" OR "user centered" OR "client influence" OR "collaborative decision-making" OR "part-taking" OR autonomy OR independency OR self-support OR safety OR doings OR independence OR security OR activity OR occupation
S - systematiska översikter och meta analyser	Review OR Meta-analysis	"Meta-study" OR "Meta-summary" OR "meta-synthesis" OR overview OR "Systematic reviews"

# Bilaga 2 Flödesschema över selektering av artiklar



## Bilaga 3 Översiktstabell ingående artiklar

Tidskrift	Författare	År	Titel	Ursprungsland	Metod för studien	Delaktighet	Självständighet	Trygghet	Självbestämmande	Aktivitet	Teknik som avses
Multiple Sclerosis and Related Disorders	Amatya Galea Kesselring FaryKhan	2015	Effectiveness of telerehabilitation interventions in persons with multiplesclerosis: A systematic review	Austria Switzerland	Comprehensive literature search	x				x	Telerehabilitation interventions
Technology and Disability	Anttilaa Samuelsson Salminen Brandt	2012	Quality of evidence of assistive technology interventions for people with disability: An overview of systematic reviews	Finland, Sweden, Denmark	Overview of systematic reviews			x		x	Bl a a digital and analogue hearing aids
Journal of Telemedicine	Barlow, Singh, Bayer Curry	2007	A systematic review of the benefits of home telecare for frail elderly people and those with long-term conditions	UK	Systematic review			x			Telecare

Tidskrift	Författare	År	Titel	Ursprungsland	Metod för studien	Delaktighet	Självständighet	Trygghet	Självbestämmande	Aktivitet	Teknik som avses
Assistive Technology	Ben Mortenson Demers Fuhrer Jutai Lenker DeRuyter	2012	How Assistive Technology Use by Individuals with Disabilities Impacts Their Caregivers A Systematic Review of the Research Evidence	Canada, USA	Systematic Review of the Research Evidence			x		x	Medical alert device, ATs that were investigated included a day/night clock, a lost item locator, an automatic nightlight, a gas cooker device, and a picture button telephone,
Journal of Medical Internet Research	Berry Lobban Emsley Bucci	2016	Acceptability of Interventions Delivered Online and Through Mobile Phones for People Who Experience Severe Mental Health Problems: A Systematic Review	UK	Systematic review			x			Online and mobile phonedelivered interventions for SMI
PLoS ONE	Block Pitsc Tahir Cree Allen Gelfand	2016	Remote Physical Activity Monitoring in Neurological Disease: A Systematic Review	USA	Systematic review					x	Activity monitoring poststroke

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Disability and Rehabilitation Assistive technology	Brandt, Samuelsson, Töytäri Salminen	2011	Activity and participation, quality of life and user satisfaction outcomes of environmental control systems and smart home technology: a systematic review	Sweden, Finland	Systematic review	x				x	Environmental control systems (ECSs) and smart home technology (SHT)
Disability and rehabilitation	Brunner, Hemsley, Palmer, Dann Togher	2015	Review of the literature on the use of social media by people with traumatic brain injury (TBI)	Australia	Systematic review with a qualitative meta-synthesis	x				x	Social media
Brain injury	Brunner, Hemsley, Togher Palmer	2017	Technology and its role in rehabilitation for people with cognitive-communication disability following a traumatic brain injury (TBI)	Australia	Integrative literature review					x	Personal digital assistant or electronic organizer to assist cognitive function, mobile or smart phone devices.
Technology and Health Care	Carswell McCullagh Augusto Martin Mulvenn Zheng Wang Wallace McSorley Taylor Jeffers	2009	A review of the role of assistive technology for people with dementia in the hours of darkness	UK	Literature review			x			Healthcare technologies appropriate to night time care.

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Maturitas	Chana Campo Estève Fourniols	2009	Smart homes — Current features and future perspectives	France	Literature review		x				Smart homes
British Journal of Occupational Therapy	Chantry Dunford	2010	How do computer assistive technologies enhance participation in childhood occupations for children with multiple and complex disabilities? A review of the current literature	UK	Comprehensive and systematic search and review	x					Computerbased assistive technologies
J Geriatr Phys Ther.	Chaudhuri, Thompson, Demiris	2014	Fall Detection Devices and their Use with Older Adults: A Systematic Review	USA	Systematic review			x		x	A system with the purpose of detecting a fall in adults.
Journal of Stroke and Cerebrovascular Diseases	Chen, Jin, Zhang, Xu, Liu Ren,	2015	Telerehabilitation Approaches for Stroke Patients: Systematic Review and Meta-analysis of Randomized Controlled Trials	China	Systematic review					x	Telerehabilitation

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Disability and rehabilitation Assistive technology	Dahler, Rasmussen, Andersen,	2016	Meanings and experiences of assistive technologies in everyday lives of older citizens: a meta-interpretive review,	Denmark	Systematic search of the literature			x			Smart homes mm
Health and Social Care in the Community	Damant Knapp Freddolino. Lombard	2017	Effects of digital engagement on the quality of life of older people	USA, UK	Scoping review			x			Information and communication technology (ICT) such as the Internet, mobile phones and computers.
Eur J Ageing	Daniels Metzelthin van Rossum de Witte van den Heuvel	2010	Interventions to prevent disability in frail community-dwelling older persons: an overview	The Netherlands	Narrative review		x				Computers smart technology, like door and window sensors, motion sensors, and remote control for lamps and radio
Clinical Rehabilitation	de Joode, van Heugten, Verhey van Boxtel	2010	Efficacy and usability of assistive technology for patients with cognitive deficits: a systematic review	The Netherlands	Systematic review	x					PDA, personal digital assistants

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IMIA Yearbook of Medical Informatics	Demiris, Hensel	2008	Technologies for an Aging Society: A Systematic Review of "Smart Home" Applications	USA	Systematic review			x		x	Smart homes
Disability and Rehabilitation: Assistive Technology	den Brok Sterkenburg	2015	Self-controlled technologies to support skill attainment in persons with an autism spectrum disorder and/or an intellectual disability: a systematic literature review	The Netherlands	Systematic literature review					x	Personal digital assistant (PDA), handheld, palmheld, palmtop, video(s), robot(s), robotics, VR, 3D, smartphone, short message service, telephone(s), phone(s), tablet(s) iPod(s), and iPad(s)
Journal of Alzheimer's Disease	D'Onofrio Sancarolo Ricciardi, Panza, Seripa Filippo Cavallo Giuliani Greco	2017	Information and Communication Technologies for the Activities of Daily Living in Older Patients with Dementia: A Systematic Review	Italy	Systematic review					x	ICT



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Journal of Medical Internet research	Dove, Astell	2017	The Use of Motion-Based Technology for People Living With Dementia or Mild Cognitive Impairment: A Literature Review	Canada	Systematic review					x	Motionbased technology
Autism	Grynszpan, Weiss, Perez-Diaz, Gal,	2014	Innovative technology-based interventions for autism spectrum disorders: A meta-analysis	France, Israel	Meta-analysis, of a systematic review					x	Computer programs, virtual reality
Survey of ophthalmology	Hakobyan Lumsden, O'Sullivan, Bartlett,	2013	Mobile assistive technologies for the visually impaired	UK	Major review	x					Information technology (IT)
Journal of Alzheimer's Disease	Ienca, Fabrice Elger, Caon, Pappagallo, Kressig, Wangmo,	2017	Intelligent Assistive Technology for Alzheimer's Disease and Other Dementias: A Systematic Review	Switzerland, USA, UK	Systematic review		x			x	Intelligent assistive technology distributed systems, Robots software apps, smart-phones, tablets, PDAs, and other mobile devices

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Neuro-psychological Rehabilitation	Jamieson, Cullen, McGee-Lennon, Brewster Evans	2014	The efficacy of cognitive prosthetic technology for people with memory impairments: A systematic review and meta-analysis	UK	Systematic review and meta-analysis		x			x	Technological memory aids
Journal of Visual Impairment & Blindness	Jutai, Strong, Russell-Minda,	2009	Effectiveness of Assistive Technologies for Low Vision Rehabilitation: A Systematic Review	Canada	Systematic review					x	Adaptive technologies, such as text magnification, screen readers, and digital image enhancements
Disability and Rehabilitation	Kairy, Lehoux, Vincent Visintin	2009	A systematic review of clinical outcomes, clinical process, healthcare utilization and costs associated with telerehabilitation	Canada	Systematic review					x	Telerehabilitation
International Journal of Medical Informatics	Khosravia, Ghapanchia,	2015	Investigating the effectiveness of technologies applied to assistseniors: A systematic literature review	Australia	Systematic literature review		x			x	General ICT, robotics, telemedicine, sensor technology, medication management applications and video games.

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Computers in Human Behavior	Khosravia Rezvani Wiewiora	2016	The impact of technology on older adults' social isolation	Australia	Systematic literature review	x					General ICT, video game, robotics, personal reminder information and social management system, asynchronous peer support chat room, social network sites, Telecare and 3D virtual environment.
The Journal of Special Education Apprenticeship	Kim, Kimm	2017	Functional Technology for Individuals with Intellectual Disabilities: Meta-Analysis of Mobile Device-Based Interventions	USA	Meta-analysis					x	Mobile devices, iPad, iPhone, and iPod Touch
Am J Phys Med Rehabil	Lai, Young, Bickel, Motl, Rimmer,	2017	Current Trends in Exercise Intervention Research, Technology, and Behavioral Change Strategies for People With Disabilities	USA	Scoping Review					x	Approximately 20% of the interventions used some form of the following technology: information and communication technology (48%), interactive technology (37%), or electronic gauges (30%).

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Res Dev Disabil	Lancioni, Singh, O'Reilly, Sigafoos, Didden, Manfredi, Putignano, Stasolla, Basili,	2009	Fostering locomotor behavior of children with developmental disabilities: An overview of studies using treadmills and walkers with microswitches	Italy	Overview					x	Treadmills, Walking devices with microswitches
Ageing Research Reviews	Lauriks, Reinersmann, Van der Roest, Meiland, Davies, Moelaert, Mulvenna, Nugent, Dröes,	2007	Review of ICT-based services for identified unmet needs in people with dementia	The Netherlands	Review			x		x	ICT solutions
Neuro-Rehabilitation	Leopold, Lourie, Petras, Elias,	2015	The use of assistive technology for cognition to support the performance of daily activities for individuals with cognitive disabilities due to traumatic brain injury: The current state of the research	The Netherlands	Comprehensive systematic literature search	x				x	Assistive technology for cognition (ATC)
Scand J Occup Ther	Lidström, Hemmingsson	2014	Benefits of the use of ICT in school activities by students with motor, speech, visual, and hearing impairment: a literature review	Sweden	Systematic literature search	x	x			x	ICT items

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Int J Telemed. Appl.	Lindberg, Nilsson, Zotterman, Söderberg, Skär,	2013	Using information and communication technology in home care for communication between patients, family members, and healthcare professionals: A systematic review	Sweden	Review	x				x	ICT applications
Int J Med Inform	Liu, Stroulia, Nikolaidis, Miguel-Cruz, Rios Rincon,	2016	Smart homes and home health monitoring technologies for older adults: A systematic review	Irland	Systematic review	x				x	Smart homes and homebased healthmonitoring technologies
Developmental Medicine and Child Neurology	Livingstone, Paleg	2014	Practice considerations for the introduction and use of power mobility for children	USA	Scoping review					x	Specialized power mobility device,
Telemed J E Health	Luxton, Sirotn, Mishkind,	2010	Safety of telemental healthcare delivered to clinically unsupervised settings: a systematic review	USA	Systematic review			x			Elemental healthcare
Technology & Disability	Manzoor, Vimarlund,	2017	E-services for the social inclusion of people with disabilities: A literature review.	USA	Literature review	x					E-services

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European Journal of Special Needs Education	Maor, Currie Drewry,	2011	The Effectiveness of Assistive Technologies for Children with Special Needs: A Review of Research-Based Studies.	Australia	Review					x	Spelling, writing, reading software
British Journal of Nursing	Mason, Craig, O'Neill, Donnelly, Nugent,	2012	Electronic reminding technology for cognitive impairment	Irland	Literature review					x	Electronic reminding technology
Education and Training in Developmental Disabilities	Mechling,	2007	Assistive technology as a self-management tool for prompting students with intellectual disabilities to initiate and complete daily tasks: A literature review	USA	Comprehensive review		x			x	Assistive technology as a selfmanagement tool
Disability and Rehabilitation: Assistive Technology	Moreira, de Amorim Lima, Ferraz, Benedetti Rodrigues,	2013	Use of virtual reality in gait recovery among post stroke patients—A systematic literature review	Brazil	Systematic literature review					x	VR

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Australasian Journal on Ageing	Morris, Adair, Ozanne, Kurowski, Miller, Pearce, Santamaria, Long, Ventura, Said,	2014	Smart technologies to enhance social connectedness in older people who live at home	Australien, Canada	Systematic literature review	x	x	x	x		Smart technology tex internet, webbaserade interventioner
Neuro-Rehabilitation	Neto, Constantini, Regina Yu Shon,	2017	Communication vulnerable in patients with Amyotrophic Lateral Sclerosis: A systematic review	Brazil	Literature review	x	x			x	Augmentative and Alternative Communication (AAC)
International Psycho geriatrics	Niemeijer, Frederiks, Riphagen, Legemaate, Eefsting, Hertogh,	2010	Ethical and practical concerns of surveillance technologies in residential care for people with dementia or intellectual disabilities: An overview of the literature	The Netherlands	Systematic review			x			Surveillance technologies
Journal of Autism and Developmental Disorders	Odom, Thompson, Hedges, Boyd, Dykstra, Duda, Szidon, Smith, Bord,	2015	Technology-Aided Interventions and Instruction for Adolescents with Autism Spectrum Disorder	USA	Literature review	x				x	Interactive technology platforms

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Journal of Medical Engineering & Technology	Patil, Raza, Jamil, Caley, O'Connor,	2015	Functional electrical stimulation for the upper limb in tetraplegic spinal cord injury: A systematic review	UK	Systematic review	x				x	Functional electrical stimulation (FES)
Disability and Rehabilitation: Assistive Technology	Peetoom, Lexis, Joore, Dirksen, De Witte,	2015	Literature review on monitoring technologies and their outcomes in independently living elderly people	The Netherlands	Systematic review	x		x		x	Monitoring technologies
Computers & Education	Perelmutter, Mc Gregor, Gordon,	2017	Assistive technology interventions for adolescents and adults with learning disabilities: An evidence-based systematic review and meta-analysis	USA	Systematic review och Metaanalys	x					Assistive technology (AT)
J Nutr Health Aging	Piau, Campo, Rumeau, Vellas, Nourhashemi	2014	Aging society and gerontechnology: a solution for an independent living?	France	Systematic literature review	x	x			x	Gerontechnologies



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Journal of the American Geriatrics Society	Pol, Poerbodipoero Robben, Daams, Van HartingsveldtDe Vos, De Rooij, Kröse, Buurman,	2013	Sensor monitoring to measure and support daily functioning for independently living older people: A systematic review and road map for further development	The Netherlands	Systematic literature review					x	Sensor monitoring
Journal of Cyber Therapy and Rehabilitation	Preschl, Wagner, Forstmeier, Maercker,	2011	E-health interventions for depression, anxiety disorder, dementia, and other disorders in older adults: A review	Switzerland	Literature review	x	x	x		x	eHealth interventions
Disability and Rehabilitation	Ravenek, Wolfe, Hitzig,	2016	A scoping review of video gaming in rehabilitation	Canada	Scoping review					x	Video gaming
Augment Altern Commun	Roche, Sigafoos, Lancioni, O'Reilly, Green,	2015	Microswitch Technology for Enabling Self-Determined Responding in Children with Profound and Multiple Disabilities: A Systematic Review	New Zealand	Literature review				x		Microswitch technology

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Disabil Rehabil Assist Technol	Sauer, Parks, Heyn,	2010	Assistive technology effects on the employment outcomes for people with cognitive disabilities: A systematic review	USA	Systematic review		x				Assistive technology (AT)
Zeitschrift fur Gerontologie und Geriatrie	Schwicker, Becker, Lindemann, Maréchal, Bourke, Chiari, Helbostad, Zijlstra, Aminian, Todd, Bandinelli, Klenk,	2013	Fall detection with body-worn sensors: A systematic review	Germany	Systematic review			x			Body worn sensors
Educational Technology & Society	Shadiev, Hwang, Chen, Huang,	2014	Review of Speech-to-Text Recognition Technology for Enhancing Learning	Taiwan	Literature review	x					Speech to text recognition technology
International Journal of Medical Informatics	Siegel, Dorner	2017	Information technologies for active and assisted living—Influences to the quality of life of an ageing society	Austria	Structured literature review	x		x			ICT solutions/ Ambient assisted living

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International Journal of Medical Informatics	Skjæret, Navaz, Morat, Schoene, Helbostad, Vereijken,	2016	Exercise and rehabilitation delivered through exergames in older adults: An integrative review of technologies, safety and efficacy	Norway, Germany	Systematic literature overview					x	Gaming technology
Journal of Neurologic Physical Therapy	Damiano DeJong	2009	A systematic review of the effectiveness of treadmill training and body weight support in pediatric rehabilitation	USA	Systematic review	x				x	Treadmill
OTJR	Smith, Atmatzidis, Capogreco, Lloyd-Randolfi, Seman,	2017	Evidence-Based Interventions for Increasing Work Participation for Persons With Various Disabilities	USA	Systematic review	x					Apps
Journal of Autism & Developmental Disorders	Stephenson, Limbrick,	2015	A Review of the Use of Touch-Screen Mobile Devices by People with Developmental Disabilities	Australia	Literature review	x				x	Touch screen mobile device

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BMC Health Serv Res	Strand, Gammon, Ruland,	2017	Transitions from biomedical to recovery-oriented practices in mental health: a scoping review to explore the role of Internet-based interventions	Norway	Scoping review				x		Internetbased interventions
BMC Endocrine Disorders,	Sutcliffe, Martin, Sturt, Powell, Griffiths, Adams, Dale	2011	Systematic review of communication technologies to promote access and engagement of young people with diabetes into healthcare	UK	Systematic review					x	Communication technology
Gerontology	Toosizadeh, Bunting, Howe, Mohler, Sprinkle, Najafi,	2014	Motorized Mobility Scooters: The Use of Training/Intervention and Technology for improving Driving Skills in Aging Adults - A Mini-Review	USA	Literature review					x	Motorized mobility scooters
Disability & Rehabilitation: Assistive Technology	van den Heuvel, Lexis, Gelderblom, Jansens, de Witte,	2016	Robots and ICT to support play in children with severe physical disabilities: a systematic review	The Netherlands	Systematic literatur review	x				x	VR, Computer systems, Robots