

Appendix 2. Details of the articles

Author; year; country	Title	Information; number of participants (N)	Study aim	Disease category of seizures;	Design method	Information need identified for formal/informal caregivers
Baca, Barry and Berg (2018, USA)	The epilepsy transition care gap in young adults with childhood onset epilepsy.	In formal caregivers (parent proxy or patient); N=308	To assess the extent to which epilepsy and ID transition discussions occurred (prior to the patients' 18 th birth day) in the transition to adulthood	Epilepsy/epilepsy and ID; Categorical of seizures not specified	Qualitative study; Structured interviews and telephone interviews	Formal caregivers

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Bar, Ghobeira, Azzi, Ville, Riquet, Touraine, Chemaly and Nabbout (2019, France)	Experience of follow-up, quality of life, and transition from paediatric to adult healthcare of patients with tuberous sclerosis complex.	Infor mal caregi vers (famil y mem bers and	To explo re the exper ience s with medi cal follo	Tuber ous Scler osis Comp lex and epile psy	Quan titativ e; Multi centr e	Form al careg ivers: -A need to optim
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	patients); N= 60	w-up and transi tion	(debu t < 16)	surve y	ise transi tion progr ams
Epileptic spasms or focal seizures in 98 % of patients					to increase continuity of information between professionals
Approx. 80 % had cognitive impairment					particularly for patients with cognitive and psychiatric impairment.
Patients aged 18 years or older					- A need for information related to the risk of developing symptoms from benign

Bellon, Pfeiffer, Maurici (2014, Australia)	Choice and control: How involved are people with epilepsy and their families in the management of their epilepsy? Results from an Australian survey in the disability sector.	Infor mal caregi vers (famil y caregi vers and patie nts); N=17 1 and N=11 8 respe ctivel y	To explo re the involv emen t in devel oping an epile psy mana gement plan	Epile psy and ID	Quan titativ e; Multi centr e	Categ ory of seizur es not specif ied	Infor mal careg ivers: - Famil y caregi vers and patie nts need to be invol ved in writin g epile psy mana gement plans in order to	Infor mal careg ivers:

			aged 18 years or older	ensur e patie nt- centr ed care.					
Both, Holt, Mous, Patist, Rietman, Dieleman, Hoopen, Vergeer, de Wit, de Heus, Moll, van Eeghen (2018, The Netherlands)	Tuberous sclerosis complex: Concerns and needs of patients and parents from the transitional period to adulthood.	Infor mal caregi vers (pare nts and patie nts); N=12 and N=16 respe ctivel y	To explo re the conce rns and care needs in the transi tion	Tuber ous Scler osis Comp lex ; Semi- struct ured interv iews Categ ory of seizur es not specif ied	Quali tative ; Semi- struct ured interv iews Categ ory of seizur es not specif ied	Form al careg ivers: -The need for profes sional caregi vers that includ es the famil y caregi vers and the patie nt's comp rehen sive needs . .	32,1 % (9 patie nts) had mild ID (IQ: 55- 70)/	17,9 % (5 patie nts) had mode rate ID	-The need for patie nt- centr ed, multi

(IQ: 40 – 55)/ 7,1% (2 patie nts) had sever e ID (IQ: 20 – 40) discip linary infor matio n excha nge in transi tions to adult hood.

-The need for well-infor med profes sion als concerning possi bility of seizur es, side-effect s of medi catio n, tumo ur growt h, TSC-associ ated neuro psych iatric disor ders (TAN D).

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Buelow, Mc Nelis, Shore, Austin (2006, UK)	Stressors of parents of children with epilepsy and intellectual disability.	Informal caregivers (parents); N=20	To explore sources of parental stress	Epilepsy and mild ID	Qualitative ; Semi-structured interviews	Formal caregivers: -The need for interaction between school and parents concerning issues like communication, transitions, child safety, and social issues .
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	9-16 years	-The need for information/skills concerning behavioural problems, and the handling of seizures.
	Formal and informal caregivers:	-The need for sufficient information concerning the child's diagnosis/treatment.

Deepak, Obe, Attavar (2012, UK)	Administration of emergency antiepileptics in staffed care homes for people with intellectual disabilities in High Wycombe: survey of staff training status	Formal caregivers (staff and managers of nursing home s); N= not specified	To determine the training status of nursing staff in nursing homes regarding emergency antiepileptic medication	Epilepsy and ID	Qualitative survey and telephone interviews	Survey and teleph hone interviews	-The need for stopping training for formal caregivers in nursing homes.

managing people with intellectual disabilities and epilepsy to ensure provision of safe and effective care.

Desnous, Goujon, Bellavoine, Merdariu, Auvin (2011, France)	Perceptions of fever and fever management practices in parents of children with Dravet syndrome.	Informal caregivers (parents); N=20	To study parents' experience of managing fever in their child	Dravet syndrome; Survey	Quantitative survey	Informal caregivers: -The need for parent guidance related to appropriate handling of fever. ID level not specified	-The need for addressing parental
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			age 4,7 years	anxie ty regar ding fever.		
Gordon, Valiengo, Proenca, Kurcgant, Jorge, Castro, Marchetti (2014, Brazil)	Comorbid epilepsy and psychogenic non-epileptic seizures: How well do patients and caregivers distinguish between the two.	Infor mal caregi vers (famil y caregi vers and patie nts); N=25 and N= 24 respe ctivel y	To explo re how patie nts and infor mal caregi vers distin guish betw een epile psy and psych ogeni c non- epile ptic seizur es (PNES)	Epile psy and ID Gene ralize d seizur es in 16, 7 %/ Seizur e activi ty in focal- temp oral lobe in 66, 7 %/ Seizur e activi ty in focal- non temp oral lobe in 4, 2 %/ Noncl assifi ed in 12,3 % and	Quali tative ; Interv iews and video - electr oenc ephal ograp hy (VEE G) conta ining the patie nts' epile ptic seizur es and PNES. Noncl assifi ed in 12,3 % and	Infor mal careg ivers: -The need for (pare ntal) infor matio n/edu catio n in order to be able to distin guish betw een PNES and an epile ptic seizur e and thus treat the seizur es proper ly.

					PNES in 100 %
					25% (6 patie nts) had mild ID / 20,8 % (5 patie nts) had mode rate ID
					Patie nts aged 18 years or older
Jensen, Liljenquist, Bocell, Gammaiton, Aron, Galer, Amtmann (2017, USA)	Life impact of caregiving for severe childhood epilepsy: Results of expert panels and caregiver focus groups.	Mix: infor mal caregi vers (pare nts); N=19 / forma l caregi vers (prof essio nal caregi vers	To deter mine what doma ins to includ e when meas uring caregi ver impac t	Drave t syndr ome or Lenn ox Gasta ut syndr ome Categ ory of seizur es not	Quali tative ; Interv iews and focus group interv iews - The need for train ed and skille d forma l caregi vers in respit e

Kehyayan & Hirdes (articles: 2018 & 2019, Canada)	2018: Profile of persons with epilepsy receiving home care services.	Informal	To descri	Epilepsy	Quan titativ	Infor mal	-The need for a measure that assesses all of the relevant domains necessary to consider the informal caregiver burden.

	caregi vers	be and	and	e;	careg ivers:
	(famil y mem bers and patie nts); N=56 65	under the needs of patie nts in home care	ID	Surve y	-The need for infor matio n and skills in carin g for a famil y mem ber with epile psy. This includ es the handl ing of seizur es, medi catio n, nutrit ion, the preve ntion of injury from fallin g in a seizur e, the traini ng of ADL functi ons and how
2019: Care needs and health care burden of persons with epilepsy receiving home care services.					
					27,2 % had intact cognition/
					47,7 % had mild impairment/
					11,6 % had moderate impairment/
					13,4 % had severe impairment
					Patients aged

60 years or older to handle psychologic al and/or beha viour al diffic ulties.

-The need for infor mation regar ding how to cope with stress for famil y caregi vers.

McGrother, Bhaumik, Thorp, Hauck, Branford, Watson (2006, UK)	Epilepsy in adults with intellectual disabilities: Prevalence, associations and service implications.	Infor mal caregivers (family caregivers); N=620	To determine the prevalence of epilepsy and associated difficulties in	Epilepsy and ID	Mixed methods; Category of seizures not specified	Medicament patient register and interventions	Formal caregivers: -The need for multi disciplinary collaboration and information
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	adult s with ID	All partic ipant had mode rate to sever e ID (IQ<5 5)	n excha nge (socia l servic es, educa tional agenc ies, healt h profe ssion als, famil y caregi vers, and the volun tary secto r).
Nolan, Camfield and Camfield (2008, Canada)	Coping With a Child With Dravet Syndrome: Insights From Families	Informal caregiver	To describe ;
		Drive	Qualitative
			Formal

	vers (pare nts); N=24	poten tial copin g strate gies to impro ve the daily life of paren ts	syndr ome Categ ory of seizur es not specif ied	Interv iews	careg ivers:
					-The need for an emer gency depar tmen t proto col for the handl ing of prolo nged seizur es to supp ort the vario us profes sion al caregi vers involv ed in the treat ment of the child.
					-The need for teach ers to call paren ts, not askin g siblin

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Schultz (2013, UK)	Parental experiences transitioning their adolescent with epilepsy and cognitive impairments to adult health care	Infor mal caregivers (parents); N=7	To be paren tal transition exper iences	Epilepsy and ID	Qualitative ; Interv iews	Form al caregivers
				Categor y of seizures not specified	All participants had severe to profound ID (IQ <40)	-The need to develop transition programme for adolescents with cognitive impairments in particular

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Thomsen, Linehan, Glynn, Kerr (2013 & 2014, UK and Ireland)	2013: A qualitative study of caregivers' and professionals' views on the management of people with intellectual disability and epilepsy: A neglected population. 2014: Caring for a family member with intellectual disability and epilepsy: Practical, social and emotional perspectives	2013: Mix: Infor mal caregi vers (famil y caregi vers); N= 38/ forma l caregi vers (prof essio nals and paid caregi vers) N=59 and N=16 respe ctivel y 2014: Infor mal caregi vers (famil y mem bers); N=48	2013: To study the impac t of epile psy and evalu ate the availa ble treat ment 2014: To exami ne the impac t on caregi vers 17 or youn ger 38,1 % 2014: Infor mal caregi vers (famil y mem bers); N=48	Epilepsy and ID Categ ory of seizur es not specif ied ID level not specif ied Patie nts aged 18 years or older	Quan titativ e; Internatio nal study onlin e surve y -The need for patie nt-centr ed infor matio n (medi cal and perso nal histor y) to meet the care dema nd in a safe way. -The need for traini ng in adm inistering (acute) medi catio ns.

	12,7 %	careg ivers:
(8 patie nts)	-The need for optim al medi cal infor matio n (inclu ding routi ne medi cines) as well as to reduc e conce rns (psyc holog ical stress) durin g medi cal consu ltatio ns.	
	-The need for optim al collab oratio n of servic es for the profe	

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Vallenga, Grypdonck Tan, Lendemeijer-and Boon (2007, the Netherlands)	Improving decision-making in caring for people with epilepsy and intellectual disability: an action research project.	Mix: Infor mal caregi vers (famil y mem bers) / forma l caregi vers (prof essio nal caregi vers); N: not specif ied	To impro ve decisi on- maki ng regar ding risks	Epile psy and ID	Quali tative ; Interv iews and obser vatio ns	Form al careg ivers: - The need for infor matio n and skills in risk mana geme nt associ ated with the perso ns` epile psy and overa ll functi
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ID = intellectual disability, PNES = psychogenic non-epileptic seizures