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	Research aims and/or research question	Design; Methods; Participants	Participant recruitment; Eligibility	Parents: Gender/role, Age. Children: Gender, Age	Children: Diagnosis/seizure type; Other	Data analysis approach	Fears and concerns regarding their child's epilepsy	Impact of epilepsy-related fears and concerns on the daily lives	Impact of epilepsy-related fears and concerns on social and emotional well-being	differences in the fears and concerns expressed by mothers and fathers	differences in fears and concerns from the perspectives of	factors for parents fears	Study limitations	Study recommendations	Future research
Amjad et al. 2016 Iran	To explore the experience of parents of children with epilepsy.		Recruitment: Purposive sampling via 2 referral governmental hospitals in Tehran. Key eligibility: Parents only one child with grand mal epilepsy aged 1-18 years with diagnosis of epilepsy made at least one year ago.	Parents: n=10 Gender/role: female (n=5),male (n=5). Age: range 20-42yrs (mean 34.1yrs). e Children: n=10. Gender: female (n=5),male (n=5). Age: Not reported.	Diagnosis: Epilepsy. Time since diagnosis: Children had been diagnosed for 1-11 yrs.	Thematic analysis.		Impact on work/finances: Mostly mothers quit jobs because of their fears and concerns about their child's seizures and the consequences.	Fear of seizure occurring in public: inability to attend parties or events, which can lead to disappointment and dissociation in family relationships, followed by further isolation.		Not applicable.	Restriction of travel.	Not reported	 Pay special attention to these families and provide help (e.g., nurses). Provide parents with counselling and education and use mass media to increase public awareness about epilepsy is also necessary. 	Not reported.
Benson et al. 2016 Ireland		Design: Mixed methods (sequential exploratory). Methods: Qualitative semi-structured interviews and a quantitative, cross- sectional survey. Participants: Parents and CWE.	 Recruitment Phase 1: Purposive sampling via a paediatric neurology unit and a national epilepsy association. Key eligibility: CWE: 6-16 years, prescription for antiepileptic drugs, not other significant medical condition and/ or developmental delay. Parent participants: parent/ primary caregiver of the participating child Recruitment Phase 2: CWE and/or parents recruited through paediatric/neurology units in regional/national hospitals or via national epilepsy association. Key eligibility: CWE and parents were eligible to participate if they (or their child) had a diagnosis of epilepsy and were aged 8-18 years and no other significant medical condition and/or developmental delay. 	Children: n=33. Gender: female (n=20), male (n=13) Age: range 6-16yrs (mean 11.14, SD 2.91).	Time since diagnosis: range 0-12 yrs (mean 4.15, SD 2.95). Seizure frequency: daily (n=3), several time a week (n=3), about once a week (n=3), about once a week (n=3), about once a month, (n=2), less than monthly (n=15), about once a year (n=5), seizure-free (n=14), unknown (n=2).	inferential correlational statistics.		Child's social participation curtailed: due to fear of stigma etc.	Fear of child being bullied/teased: peer bullying at school.		Stigma-related concerns similar to parents. Exclusion by peers from social activities: sometimes caused by parental fear. Epilepsy-elated bullying: by peer group. Concealment of epilepsy: aimed to avoid epilepsy stigma.	Concealment and/or selective disclosure of epilepsy.	Data only gathered from CWE and one parent and not other family members. Over-representation of mothers which may obscure gender perspective differences.	Communication-based interventions to encourage HCPs to actively engage with CWE / parents about their epilepsy- related stigma experiences and perceptions. CWE/parents may require assistance in learning how to initiate, manage and maintain open conversations about epilepsy-related issues within the home environment and with disclosure.	Not reported.
Benson et al. 2017 Ireland	To explore the challenges parents of children with epilepsy (CWE) experienced when deciding to disclose their child's epilepsy diagnosis to others	Design: Qualitative exploratory.Methods: exploratory semi-structured interviews.Participants: Parents	Recruitment: Parents via a neurology clinic of a specialist children's hospital and from a national epilepsy association. Key eligibility: Parent(s)/ guardian(s) of a child with a diagnosis of any type of epilepsy; a prescription for anti epileptic drugs and (no significant intellectual disabilities, learning difficulties and/or developmental delay.	Parents: n= 34 (of 29 CWE). Gender/role: mother (n=27); fathers (n=7) Age: Not reported. Children: n=29.	 Diagnosis: Epilepsy. Seizure type: multiple TYPES (n-=19), tonic- clonic (n=19), absence (n=14), one type only (n=10), complex partial (n=10), myoclonic (n=6), tonic (n=5), simple partial (n=4), atonic (n=4), electrical status epilepticus in sleep (ESES) (n=1). Age at diagnosis: range 2-14.5yrs (mean 7.35 yrs, SD 3.20). Time since diagnosis: range 0.17-10 yrs (mean 3.87, SD 2.87). Therapy: Most children receiving polytherapy (n=16) or mono therapy (n=12). Seizure freedom: Only 41.3% of parents reported child had been seizure free for 4 weeks at the time of interview 	5	disclosure management strategies as protective of their child's psychosocial wellbeing. Fear of	;e	 Concerns about impact on socialisation: fear of potential impact on invitations to playdates, parties and sleepovers, and impact on their child's friendships. Impact/fear of negative reactions to disclosure: Fear of and actual negative responses ended to mean parents maintained secrecy about diagnosis or selectively disclose. Impact on parents: offensive reactions, e.g., others mimicking seizures; this elicited negative emotions among parents (e.g., anger, concern, sadness, disappointment). Impact on future: epilepsy diagnosis had dashed and/or altered parents' pre-conceived hopes and expectations for the future of their 		Not applicable.	Concealment and/or selective disclosure of epilepsy. Seeking normalcy.	of children with intractable epilepsy and who experienced	to be created in which it is the norm rather than the exception for parents to openly discuss their child's epilepsy with others. Advocacy efforts should be heightened, with HCPs, patient advocacy groups and healthcare organisations taking a more active role in striving to increase the visibility of epilepsy within the public domain and tackling misconceptions about epilepsy	disclosure strategies is problematic or protective. Identify the contexts in which parental epilepsy disclosure is most critical. Investigate the bidirectional relationship between stigma and
Fayed et al. 2021 Canada	narratives to inform the process of optimizing a	narrative.	 Recruitment: Purposive sampling of youth from neurology ambulatory clinics at McMaster Children's Hospital and via QUALITE study. Additional sampling via epilepsy community groups. An identified family member were also invited to participate. Key eligibility: Youth participants had to be 8-30yrs and have active epilepsy. 	Youth: n=7 (although only 2 eligible for inclusion in this review). Gender: female (n=3), male (n=4) (only 2 males eligible for inclusion in review) Age: range 18-30yrs (but only the 18yr olds included in this review)	Diagnosis: Epilepsy. Age at onset: 7yrs, 13yrs (for eligible children). Seizure types: absence (n=5), generalized tonic-clonic (n=6) (Note: eligible for inclusion in this review, Absence, Generalised tonic-clonic (n=1)and. Gneralised tonic-clonic (n=1).	Thematic analysis	Fear associated with seizures: Parenting overnight- fear of catastrophic seizure in sleep.	Impact on work: father giving up work (personal sacrifice) to help manage child's condition.	 child (e.g., academic, romantic). Impact on parental well-being: importance of support from wife to help 'being there' for child. Impact on relationships: Epilepsy adds a layer of complexity to romantic relationships Impact on youth well-being: worrying about impact of missing school and having to catch up. Impact/fear of negative reactions to disclosure: youth's decision not to disclose due to fears of being thought different. 		Not reported specifically for the 2 youth included in review.	for youth in this review.	 Small sample of 7 (of whom only 2 eligible for inclusion thi review). Method excluded youth who could not participate in interview process. 	Not reported.	Use of methods that apply the life course-multiple perspectives approach to lower functioning groups.
Fowler et al. 2021 USA	To describe the knowledge and fears of parents of children diagnosed with epilepsy in the hospital and clinic settings.	Methods: Scale and	Recruitment: Convenience sample via paediatric neuro ortho hospital unit or paediatric neurology clinic. Key eligibility: Parents of children diagnosed with epilepsy	 / Parents: n=40. Gender/role: female 80%. Age: range 21-69yrs (mean 39). Children: n=40 Gender: female (n-16), male (n=24). Age: <1yr-18yrs (mean 8.5yrs). 	Diagnosis: Epilepsy. Age at diagnosis: (51%) of parents reported that epilepsy was diagnosed prior to 'first grade' (most often at <1 year to 3 years).	t-test for comparison	 Fear of seizures: what to do if child has a seizure and fear their child might die during a seizure. Fear of impact of seizures: will lead to brain damage. Fear of future seizures: that the seizures will get worse and have them lifelong. Fear associated with medications: that medication will be harmful in long-term. Fear of social stigma: afraid of wha could happen if people look at their child. 	t	Not reported.	Not reported.	Not reported.	Not clearly reported.	Not reported.	Talk to parents about their fears related to epilepsy and provide information to allay fears and signpost to support groups.	Not reported.
Gazibara et al. 2014 Serbia	attitudes, and behaviors of parents whose children were diagnosed	sectional).	 Recruitment: Convenience sampling via an outpatient department of the Child and Adolescent Neurology and Psychiatry Clinic, Belgrade. Key eligibility: Child diagnosed with epilepsy by a paediatric neurologist. 	Parents: n=213. Gender/role: mother (n=164); father (n=49). Age: range 24-69 yrs (mean 43 \pm 8.2 years) Children: n=213 Gender: female (n=114), male (n=99) Age: range \leq 6-18yrs (mean 13.4 \pm 6.1 yrs).	Epilepsy control: 84.5% considered well controlled.	Descriptive and inferential statistics.	 d Concerns about the child's future development: associated with concerns about child's personal development. Concerns related to supervision of child away from home: e.g. extended school trips. Concerns about social support: more social support needed. 		Nothing specific reported here.	No statistical differences between the reports of mothers and fathers	Not applicable.	Stronger positive parental attitude towards childhood epilepsy was influenced by higher monthly income and having more children.	Parents who participated may not reflect those who declined.	Principal goal of health-care service should be ensuring education and support at the community and school levels (e.g., training programmes strategies to reduce anxiety and emotional strain) for both parents and children with epilepsy.	
2017 USA	caregiver impact for caregivers of children	focus groups and telephone interviews.	 Recruitment: Purposive recruitment of 8 paediatric neurologists, from USA, France, Belgium, UK; female (n=3),male (n=5), known to investigator or colleagues of investigators to expert panel. Recruitment of caregivers via Dravet Syndrome Foundation and epilepsy social media sites. Key eligibility: Paediatric neurologists providing healthcare services to children and young adults with epilepsy. Caregivers providing care to children with Dravet syndrome or other severe epilepsy conditions(e.g., SCN8A epilepsy, Lennox-Gastaut syndrome, Doose syndrome) severe epilepsy. 		 Diagnosis: Dravet syndrome (n=12), SCN8A (n=3), Lennox-Gastaut syndrome (n=1), Doose syndrome (n=1), Intractable epilepsy (n=1), Epilepsy with developmental delay (n=1). Age at diagnosis: mean 1.9 years (SD 5.2). Time since diagnosis: mean 6.4 years (SD 4.4). Number of seizures, past month: Mean 423 (SD 971); median 25 (range 0-3000). 	e not reported but data 'code and analysed'.	 and night about child's epilepsy; child's epilepsy redefines caregivers sense of purpose in life. Fear of SUDEP or seizures during sleep: linked to caregiver sleep deprivation. Fear of leaving child: other people 	 Impact of exhaustion: lack of energy to meet own self-care needs (staying fit, eating healthy foods). Impact on finances: financial impact often reported as greatest during the early stages of 	often experienced psychological distress due to demands of caregiving and experienced feelings of anger, anxiety, guilt, and helplessness. Impact on time for self: caregivers found it difficult to find time for themselves. Impact on relationships: focus on child often left spouse, friend, and extended family relationships strained.		Not applicable.	Not reported.	No participants from Asia, Africa, or South America so may not reflect caregiving impact domains from these areas/cultures. All participants fluent English speakers, willing to find time to participate and from well- resourced countries.	Not reported	Develop a comprehensive or efficient measure for assessing caregiver impact among caregivers of children and young adults with severe epilepsy.

Jones et al. 2014 USA	clinicians and researchers to more effectively work with	Grounded Theory. Methods: Interview. Participants: Parents.	 Recruitment: Recruited via a pilot study; half were parents who participated and half were parents who did not participate in pilot study. Key eligibility: Parents of children with epilepsy. 		 Diagnosis: Epilepsy. Seizure type: generalised (n=14), focal (n=8). Time since diagnosis: 5.57 years (SD 3.36) Seizure-related medication: one medication (64%), more than one medication (n=3), no medication (23%). Seizure control: All children were currently well controlled with 1 to several seizures (less frequent than monthly) per year. Comorbidities: included anxiety, depression ADHD, autism, intellectual disability, and 	,	Not reported specifically but described in terms of struggles.	 Impact on education: Concerns about education/managing at school and learning and also future supports in high school. Impact on parents' responses to child's struggles: 3 zones (1) struggles not seen as problematic, active support not sought; (2) struggles seen as problematic, active support and interventions sought; (3) struggles seen as problematic, and intervention sought in more solution-focused manner. 		Not reported.	Not applicable.	Age of child, parent, and seizure onset, degree of seizure control, medication, parent education level, child's academic succes parent's marital status influenced which zone they were in.	ss, findings not necessarily	Not reported.
Jones et al. 2019 UK	To gain a comprehensive understanding of the experiences and needs of parents of young children with 'active' epilepsy (on AEDs and/ or experienced at least one seizure in the last year).	Methods: Interviews. Participants: Parents/	Recruitment: Parents/guardians of eligible children were identified via a link paediatrician on the research team. Key eligibility: Parents of children with epilepsy at leas one year of age, with current 'active' epilepsy and resident in specified postcodes.	Parents: n=47 Gender/role: Mother (n=38), father (n=9). Age: Not reported. tt Children: n=40 Gender: female (n=17); male (n=23). Age: range 1-7yrs (mean 4.60, SD 1.49 yrs).	 learning disability. Diagnosis: Epilepsy. Predominant seizure type: generalized (n=20), focal (n=20). Duration of epilepsy: range 0.28-6.52yrs (mean 2.97, SD 1.58yrs) Age of seizure onset: range 0.04-6.00yrs (mean 1.65, SD 1.34 yrs). Seizure frequency: monthly or more often (n=29), less often (n=11). Seizures longer than 30 min: (n=7). Required rescue therapy: (n=24). Developmental level: >2SD below mean: (n=30). 	Thematic analysis	 Fear of possible impact of AEDs: fear of impact on child's behaviour and learning and inadequate information about possible impact o side effects. Future concerns for the child: concerns especially related to children with significant developmental delay as likely to have difficulty living independent lives. 	Impact on family activities due to seizures or associated difficulties: Family holidays, shopping and other activities often cancelled/ rescheduled because of concerns about the child's epilepsy or associated difficulties on the activity.	Impacts associated with child's developmental delay and challenging behaviour: feelings of loss that the child may not achieve the same milestones as children without such problems or have the life they had anticipated.	Not reported	Not reported.	Not reported.	Majority of respondents were mothers. Interviews conducted either in person or telephone; mode may affect content and length of responses. Findings may not be relevant for children < 1yr or >7yrs. Participants all from one defined geographical region of UK.Not reported.	 How best to inform parents of the nature of both epilepsy and associated conditions as well as how best to support parents' informational and emotional needs after diagnosis. Adapt psychoeducational interventions in childhood epilepsy for digital use and subsequently evaluate. Investigate best ways to support parents to navigate the health and education system so as to access effective educational and therapeutic provision.
Kampra et a 2017 Greece	challenges that Greek parents/caregivers of CwE face to provide useful knowledge for healthcare professionals about this population's needs.		Recruitment: Convenience sample parents/caregivers of children with epilepsy whose children were consecutive patients of the outpatient neurology clinics of two public hospitals in Athens. Key eligibility: Parents of children with controlled epilepsy, no significant intellectual disabilities, learning difficulties, and/or developmental delay, and attending regular school.	 Gender/role: female (n=60); male (n=31); Age (female): range 24-68yrs (mean 42yrs) Age (male): range 27-68yrs (mean 47yrs). Children: n=91. Gender: female (n=60); male (n=31) 	Diagnosis: Epilepsy . Age of diagnosis: <5yrs (n=24), 5-9yrs (n=38	 Qualitative: van Manen's process (phenomenolocal). Quantitative: Descriptive and inferential statistics 		 Impact of bullying: some parents hesitated to discuss epilepsy with their child because of the fear of bullying or isolation from his/her peers and inability of chid to cope with disclosure. Impact of social isolation: some parents feared social exclusion of their child. Impact on social image: some parents kept epilepsy secret as feared consequences on child and family social image: , Impact of stigma: some parents didn't disclose to school if child seizure-free during day due to fear of bullying. Impact of inadequate information to support coping: parents needed more information and support (e.g. from schools, drs) to help them cope). 	 being bullied because of epilepsy. Impact on social image of their family: concerns about bullying or isolation incurred by the stigma around epilepsy. Need for emotional and practical support: gained emotional support by talking with close friends and relatives. Impact on child's social integration and well- being: concerns about how other people 	Not reported.	Not reported.	Level of parent education: (tertiary educated parents talke to child about epilepsy at a higher rate than primary/secondary educated parents) (p = 0.013). Parents' employment condition: employed parents talked with their child about epilepsy at a higher rat than parents who were unemployed (p = 0.026)	difficulties, or developmental delay/ Physicians need to communicate effectively with the parents of CwE, based on the informational needs and t level of understanding of each individual patient or the fami member. Information needs to be delivered starting with the	ort of h the h ly a ting l or e. d
Maiga et al. 2014 Mali	beliefs and attitudes in families with and without affected children.	Design: Quantitative descriptive. Methods: verbal presentation of questionnaire-based survey Participants: Parents.	Recruitment: Parents of children with epilepsy were systematically approached for enrolment during their child's regular consultation. Key eligibility: Parent of child with epilepsy (0-15yrs) documented by the hospital's Department of Pediatrics or Neurology or both.		5 Diagnosis: Epilepsy	Descriptive and inferential statistics.	nd Fears related to retribution from the spirits: some parents of CwE feared retribution for turning to modern medicine, or fear of a worsening of symptoms with the use of medication	Not reported.	Fear of calamity: linked to retribution from spirits.	Not reported.	Not applicable	Not reported.	Sample represent a relatively affluent subset of the population. Findings very conservative, the general Malian population not having anywhere near the level of exposure to modern medicine that was evidenced in our sample (particularly the group with epilepsy). Study highlights the urgent near to conduct widespread, intensified public education campaigns in the general population, as well as to oper channels of communication at collaboration with traditional healers, to whom the populat frequently turns for first-line care.	eed Not reported.
Murugupillai et al. 2016 Sri Lanka	of parents regarding their children and adolescents with epilepsy in Sri Lanka	Methods: In-depth interviews and focus group discussion. Participants: Parents,	cerebral palsy).	Parents: n=16. Gender/role: female (n=14); male (n=2). Age: range 28-54yrs, mean (39yrs 9 months). Children: n=16 Gender: female (n=5), male (n=11) Age: range 5-18yrs, mean (12yrs 3 months) range yrs (mean yrs).	 Diagnosis: Epilepsy. Seizure type: simple partial (n=9), complex partial (n=2), generalised tonic-clonic (n=4), absence (n=1). Seizure frequency: >1 per week (n=2), >1 per month (n=3), >1 per year (n=11). Age of seizure onset: range 3 days-7yrs (mean 5yrs 11months). Medication: Sodium valproate (n=15), Carbamazepne (n=2), Topiramate (n=1), Clobazam (n=2), Clonazepam (n=1). Number of anti epileptic drugs: 1 drug (n=12), 2 drugs (n=3), 3 drugs (n=1). Comorbid illness: (cerebral palsy) (n=3). 		 about unexpected nature of occurrence of seizures.Fear about child having a seizure when alone. Fear associated with adverse effects of drugs: Most parents worried about adverse effects that may occur with long-term use of anti-epileptic medicines. Fear of recurrence of seizures: influences compliance in taking antiepileptic medications. Fear of functional impact of epilepsy: fear of epilepsy affecting child's physical ability to function normally. Fear associated with learning difficulties: Parents concerned about epilepsy causing learning difficulties 	 to manage activities of daily living of the child. Impact on school performance: parents worried that epilepsy causing learning difficulties resulted in poor school performance. Daytime sedation adversely affecting schooling of the child was a concern. Impact of lack of trained teachers: concerns that teachers would not understand and cope with the child. Impact on child's future: worries related to possible difficulties in employment opportunities, marriage prospects and family 	 worried about child being upset emotionally. Impact on personal image: parents concerned that epilepsy would make their child sad and stressed and possibly develop a negative personal image. Impact on siblings: some parents concerned about the problems in adjustment with siblings. 	Not reported.	Not applicable.	buy medicines outside the hospital pharmacy. Cultural practices in the community influence th attitudes and behaviou	Inclusion of parents of children and adolescents with epilepsy with co-morbid illnesses could have had a confounding effect on certain HRQL issues.	Future qualitative work with epilepsy patients can also investigate curious questions raised by this study (e.g., the relative importance of these parental concerns for patients).

Nguyen et al. 2015 Australia	cognitions and coping behaviours used by parents of children with epilepsy, in the aftermath of an epilepsy diagnosis, and the	interview.	Recruitment: Purposive sampling of biological parent or legal guardian of a child via the Neurology Department's database at the Women's and Children's Hospital in South Australia and via Epilepsy Centre of South Australia. Key eligibility: parent of child (1-15yrs) diagnosed with epilepsy by a Consultant Neurologist 6 months - 5 years ago.	 Gender/role: mother(n=21); father (n=0); Age: Mean 39.7yrs. Children: n=21 Gender: female (n=9), male (n=12) Age:not reported. 	Diagnosis: Epilepsy. Age at diagnosis: mean 6yrs, SD 3.82. Time since diagnosis: mean 2.6yrs, SD 1.71. Type of seizure: absence (n=5), tonic/clonic (n=4), myoclonic (n=1), simple partial (n=2), complex partial (n=4), mixture (n=5).	Deductive thematic analysis.		Impact on parental vigilance: parents talked of being vigilant and then moderating vigilance.	Impact on sense of control: feeling helpless and vulnerable and loss of control (if unable to control seizures or if seizures worsen (e.g., absence to full blown seizure). Fear of future: fear of how child will manage in the future, although noted this could be demoralizing and counter-productive.	Not applicable.	Not applicable.	of epilepsy on their child and lifestyle enabled parents to embrace a sense of normalcy into their lives. Making comparisons with more aggressive or debilitating health conditions moved	Eight mothers had experience in nursing or in occupations that involved working with children with special needs. A few children had co-morbid illness; no comparison possible between this group and non- comorbid group.	An accessible network of contacts or support group can be a strong resource of experiential information and inspiration for parents confronted with newly	Not reported.
O'Toole et al. 2016 Ireland	challenges that parents of children with epilepsy experience when engaging in dialog with		Recruitment: via a tertiary referral children's neurology department (purposive) in a major children's hospital (n = 23) and also through a national epilepsy association. Key eligibility: Parent/primary caregiver of a child (6-16yrs) with a diagnosis of epilepsy for ≥6 months and with a prescription for anti epileptic drugs at the time of interview.	Gender/role: mother (n=27); father (n=7); Age: not reported. Children: not reported. Gender: not reported	 Diagnosis: Epilepsy. Age at diagnosis: range 2yrs- 14yrs 6months (mean 7yrs 2months). Seizure type: generalized tonic-clonic (n=18), absence (n=14), autonomic (n=7), dyscognitive (n=7), myoclonic (n=5), atonic (n=2). Seizure frequency: daily (n=7), weekly (n=4), monthly (=4), several times a year (n=8), once a year (n=6), seizure-free (n=1). Treatment path: polytherapy (n=16), monotherapy (n=12), vagus nerve stimulation therapy (n=1), not currently receiving treatment (n=1). 	Thematic analysis.	feared misinforming their child wher	mean experiences for the siblings are different (i.e no sleepovers).	Impact on child with epilepsy: epilepsy- related communication may leave a child feeling 'singled out' in comparison to their siblings. Parents want to help child avoid feelings of differentness.	Not reported.	Not applicable.	Not reported.	refractory epilepsy and recruited via tertiary referral route, no significant comorbidities.	 HCPs need to tailor their communication to each parent's need for specific information about their child's epilepsy diagnosis classification. Enhanced parental understanding of their child's epilepsy condition could instill greater confidence in parents when conversing with their child about his/her condition. Provision of child-friendly, epilepsy-related information for children living with epilepsy could facilitate greater ease of communication between parents and children 	Not reported.
	To understand the range of parental views on whether and how to approach the issue of SUDEP with families, to clarify the optimal timing and formulation of the information, and to learn from parents the optimal counseling strategies in order to minimize the inherent emotional burden.	descriptive. Methods: Focus groups, interviews. Participants: Parents.	hospital epilepsy database and recruited via the Neurology Clinic at McMaster Children's Hospital (Ontario, Canada). Key eligibility: Parents of children with mild, moderate	 d epilepsy (n=36), SUDEP parents (n=6). Gender/role: mother (n=21); father (n=15) not reported (n=6). Age: not reported. Children: children with epilepsy (n=21), SUDEP children (n=4). 	Diagnosis: Epilepsy or SUDEP. Seizure type: new-onset epilepsy (=5), mild epilepsy (=9), moderate-severe epilepsy (n=7).	Directed content analysis.	Fear of dying/SUDEP: mothers and fathers highly concerned/worried child would die (either during a seizure or as a result of an injury during a seizure), fear especially focused on seizure and death at night.	 Impact on night-time routines: Majority of parents said child slept in their bed as part of a coping strategy. Few parents adopted a nightly monitoring routine (e.g., therapy dog and monitors). Impact on parenting role: fears of seizures resulted in parents being highly vigilant regarding their children and wanting to monitor all of their activities. 	 Impact of child's diagnosis on mother: mothers talked of a significant number of mental health issues: depression, anxiety, fear, worry, guilt, and exhaustion. Impact on father: Fathers expressed feelings of worry, anger (directed toward the health care team), and concern for spouse and family. Impact of risk of SUDEP: parents described feeling overwhelmed, worried, and increasingly anxious when the risk of SUDEP was explained to them but relieved when low risk of SUDEP explained. Fathers tended to express feeling uneasy, uncertain, and frustrated because of the lack of measures they could implement to prevent SUDEP. 	Not specifically reported.	Not applicable.	information about SUDEP	Parents who participated may have been information seekers as opposed to information avoiders. More than 90% of participants were Caucasians.	Optimal timing and setting of	Not reported
Rani et al. 2019 India	knowledge, attitudes, and perceptions about epilepsy as well as addressing the socio- cultural barriers to its treatment.	 Design: Mixed methods (descriptive). Methods: questionnaire, clinical profile, scales, semi-structured interviews. Participants: Parents. 	 Recruitment: Parents of children with epilepsy were recruited via neurology department of a tertiary referration centre. Key eligibility: Parents of children with generalised or partial seizures, aged 4-15yrs; including children with a comorbid diagnosis ADHD, autism, intellectual development disorder, cerebral palsy 	Age: 25-35yrs (n=22), 36-45yrs (n=22), 46-55yrs (n=12);mean 37.2yrs.	Seizure type: generalized seizures (n=30), partial seizures (n=19), combination of generalised and partial (n=11). Seizure control: not controlled (n=44),	Quantitative: descriptive statistics and non-parametric tests. Qualitative: Process not described.	seizures being fatal or life threatening	Impact on social activities: most parents prevented child from participating in sports activities. Impact on school: most parents encouraged child to continue schooling despite epilepsy. Impact on parenting: difficult to trust someone to care for the child.	Impact on parental well-being: parents generally worried. Impact of stigma: parents apprehensive and concerned regarding disclosure of seizures. Impact on child: parents believed children required more social and practical support for psycho-social development.	Not reported.	Not applicable.	factors (e.g., belief that epilepsy is a mental illness or caused by evil spirits). Many consulted	and time constraints, and sampling bias. Questionnaire developed to assess parents' knowledge, attitude, and perception not yet validated.	Mobilise support from different stakeholders who can act as change agents to sensitize the general public by addressing the myths and misconception related to epilepsy and community-based treatment and rehabilitation programs in rural areas A management plan to address socio-cultural barriers to treatment should incorporate culturally sensitive practices by clinicians, understand parents' religious and spiritual values, be able to empathize, respect, and appreciate the efforts made by family members to cope with chronicity of the child's illness, sense of helplessness, and feelings of guilt for failing as a parent	Not reported.
Renardin et al. 2019 Brazil	perception and families living with childhood epilepsy		 Recruitment: recruited via a doctor's office that specialised in neuropaediatrics. Key eligibility: Parents of children with epilepsy, aged 5-12yrs, diagnosed ≥6 months. 	Parents: n=7. Gender/role: mother (n=6); father (n=1). Age: range 25-42yrs (mean 35.8 yrs). Children: n=7 Gender: not reported. Age: range 6-11yrs 9months.	Diagnosis: Epilepsy	Thematic content analys	Fear for the future: insecurity quality of life, learning, autonomy, and future of the child.	Impact on parenting: assuming defensive/ overprotective behaviours (e.g. rigorous supervision) towards the child.Impact on activities/participation: restriction o activities aims to avoid crises.Impact on daily routine: restructuring e daily routine according to demands imposed by the condition.	 Impact of insecurity and stigma: concern about stigma and prejudice, can lead to the retraction of their child from social interaction. Impact on family well-being: restructuring daily routine impacts on parental well-being (e.g., not sleeping, increased vigilance). Impact on parents: parents experience fear, guilt, uncertainty, and despair, often motivated by negative stereotypes of epilepsy. 	Not reported.	Not applicable.	Stigma.	Small sample size. Study carried out in a single local specialty center.	Need to give voice to families in terms of their care demands, while seeking to contribute to professional practice, highlighting the important role of the nurse as an agent in the process of demystification of beliefs and qualification of health care.	Not reported.
2011 Canada	understanding of the school experiences of children with epilepsy.	 Design: Qualitative, Eidetic (descriptive) phenomenology. Methods: In-depth, semi- structured interviews. Participants: Caregivers. 	Recruitment: not reported. Key eligibility: Caregivers of children with epilepsy.	Caregivers: n=7. Gender/role: not reported. Age: not reported. Children: n=7 Gender: not reported. Age: range 5-11yrs.	 Diagnosis: Epilepsy. Age of seizure onset: 2.5-11yrs. Type of seizure: absence (n=2), petit mal (n=1), grand mal (n=2), complex partial (n=2). Medication: One child not medicated, Carbamazepine (n=1), Levetiracetam (n=1), Zarontin (n=1), Keppra (n=2), Lamictal and Epival (n=1). 	Phenomenologi al.	uncertainty about prognosis for their child and unpredictable nature of the condition.	 safety when sending them to school. Impact related to schooling: beginning school after diagnosis was source of worry for caregivers. Some parents child was missing school due to 'medication errors'. Concerns re teachers lack of seizure first aid knowledge. Impact on learning: some discussed the specific learning difficulties that their children experienced in the classroom. One child was home schooled. Impact on activities/participation: need to place restrictions and limitations on activities the children could participate in. 	diagnosis was emotional (stress, confusion, misunderstanding and uncertainty). Impact on caregivers: continual worrying over the well-being of their child.And stress associated with understanding and explaining child's condition to the school community.		Not reported.	Not reported.	None specified.	Not reported.	Not reported.

Saburi 2011 Zimbabwe	caregivers of school-age children with epilepsy and to evaluate whether use of community resources alleviates or contributes to caregiver stress.	(descriptive cross- sectional). Methods: Interviews. Participants: Caregivers.	ESF clinic at the George Nicholas Rehabilitation Center and from Parirenyatwa Central Hospital in Harare. Key eligibility: Caregivers who have looked after child (6-17yrs) diagnosed with epilepsy for >1yr, and on AEDs.	Age: not reported. Children: n=46 Gender: not reported. Age: not reported.	 Diagnosis: Epilepsy. Seizure type: unknown by 35 caregivers. Mean duration from onset of seizures to diagnosis: 13 months. Medication: most children were either on phenobarbitone or carbamazepine. Epilepsy-related injuries: Most (n=35) children had not experienced any epilepsy-related injuries in the past 12 months. 	Qualitative: coding. Quantitative: descriptive statistics.	about seizures occurring in their absence. Fear of injury due to seizures: most feared consequences of seizures included road traffic accidents, drowning, or burns. Other fears included physical disability from falls, death, cognitive impairment, sexual abuse, and dependency.	 death. Worries about marriage prospects Impact on education: worries about possibilities of good education. Impact on strained relationships with extended family: included fear of contagion to children, seizures being attributed to the maternal side, and accusations of sourcing seizures from traditional healers in exchange for supernatural powers. Impact on finance: cost of tablets drained the scarce family finances and cost more than their salaries. 	for many caregivers. Impact on child's participation: some children played alone, were laughed at by other children and were isolated because of the inability to speak; some children were dissuaded by their parents because of fear of contagion. Impact of stigma: non-disclosure occurred to protect the child from physical and emotional hurt.		groups the ca accept God's encour money suppor the ab evil sp Counse belong suppor	os helped to lighten aregiver burden; ot the illness as s will and get uragement, advice, ey, emotional ort, holy water, and bility to fend off pirits. selling and nging to epilepsy ort groups.	under-represented. Interval from onset of epilepsy to diagnosis based on caregivers' self-report so may be misleading.	Nurses in developed countries could incorporate religious activities among CAM interventions to reduce caregiver stress. Spiritual faith healers should be encouraged to refer clients with epilepsy for drug therapy and counseling.	Not reported.
Smith et al 2014 USA	perceptions of the care giving process at different time periods post epilepsy diagnosis	Methods:Focus groups. Participants: Caregivers.	 Recruitment: Purposive sample recruited from the only level 4 comprehensive epilepsy centre at an urban academic medical centre in an economically disadvantaged state. Key eligibility: caregivers of youth (<18yrs) who had a confirmed diagnosis of epilepsy (e.g., ICD-9 345 codes) and resided within an 80-mile radius of the medical center. 	Gender/role: female (n=16); male (n=3); mothers (n=14), fathers (n=2), grandmother (n=1), grandfather (n=1), foster parent (n=1). Age: 20-30yrs (n=2), 31-40yrs (n=8),	Diagnosis: Epilepsy; intractable epilepsy (n=13); controlled (n=6). Current medication (current): (n=19).	Thematic analysis.	Fears about seizure uncertainty: even if provider's treatment plan is followed, seizures can occur. Fear about the future: caregiver uncertainty about who would watch over their child (and who would look after them in olde age).	with health-care providers, teachers, and other community service agencies because they were uninformed about epilepsy, seizures, and available resources.		Not reported. Not applic	diagno	osis and complexity ndition.		Future quantitative studies should be designed to examine caregiving process variables, as well as caregiver outcomes, and to develop caregiver-specific interventions that are tailored to the particular needs of these caregivers in their journey with epilepsy over time.	Not reported.
Webster 2017 UK	effects impact on the meanings children and their parents ascribed to medications for epilepsy.	Methods: Semi-structured interviews and auto driven photo-elicitation interviews. Participants: Parents and children.	Key eligibility: not reported.	 Parents: n=28 (24 families). Gender/role: mother (n=24); father (n=4). Age: not reported. Children: children with epilepsy (n=13), siblings (n=14). Gender of children with epilepsy: female (n=4), male (n=9) Age of children with epilepsy: range 5-13yrs. 	Diagnosis: Epilepsy. Medication: treated solely with AEDs (n=14), combination of medications and the ketogenic diet (n=10).	Constructivist grounded theory.	 Fears about side effects: many parents concerned about the side effects of ongoing current treatment; particularly link with mental illness and potential mindaltering consequences of drug. Fear that medication not beneficial: some parents had requested their child be changed to a different medication when treatment was deemed to be ineffective or wher current side effects were not seen to be worth the benefits gained. 		Not reported.	Not reported. Similaritie about epil threat to d life. Difference Children w primarily of with the p ingesting medicatio whereas th focused on side effect	nild's s: ere oncerned ocess of s, e parents current	eported.	Not reported.	Not reported.	Explore the ways in which children view their medications in order to understand their adherence to treatment regimens, as their perspectives are likely to differ to the views of adults
Webster 2019 UK	experiences of uncertainty resulting from having a child with epilepsy	Methods: Semi-structured interviews.	Recruitment: via through seven UK based charities using adverts (websites, online forums, social media pages, newsletters. Key eligibility: not reported.	Parents: n=27 (23 families). Gender/role: mother (n=23); father (n=4). Age: not reported. Children: n=22 Gender: female (n=8), male (n=14) Age: range 3-18yrs.	Diagnosis: Epilepsy. Seizure aetiologies: most common included hypoxic-ischaemic encephalopathy (n=55), ischaemic stroke (n=41) and intracranial haemorrhage (n=31).	Constructivist grounded theory.	 Fear/concerns related to uncertainty/instability of symptoms: unpredictability of condition seen as particularly hard aspect to deal with especially as the felt had unanswered questions from health professionals and were not fully informed about child's condition. Fear about seizures and SUDEP: concern about SUDEP and how this may cut short their child's life. Fear about the future: concerns about impact of condition on their child's future, possibility of a limited future. Fear about puberty: fear of what might happen at puberty and how they child's epilepsy may change during this life stage. 		· ·	Fathers' aligned with those of mothers.	ble. Not re	eported.	Not reported.	Not reported.	Not reported.
Webster 2020 UK	which risk featured in children's and parents' A descriptions of everyday i life with the condition s and whether their p perceptions of risk i aligned.	Methods: Group interviews, semi-	Recruitment: via through seven UK based charities using adverts (websites, online forums, social media pages, newsletters.Key eligibility: not reported.	 Parents: n=28 (24 families). Gender/role: mother (n=24); father (n=4). Age: not reported. Children: children with epilepsy (n=13), siblings (n=14). Gender of children with epilepsy: female (n=4), male (n=9). Gender of siblings: female (n=9), male (n=5) Age of children with epilepsy: range 5-13yrs. Age of siblings: range 6-16yrs. 	Diagnosis: Epilepsy.	Constructivist grounded theory.	Fears associated with seizures/ SUDEP: fears included status epilepticus and SUDEP. Fears associated with physical risks: risk of incurring injuries during seizures.	Impact on activities and participation: fears association with risks requires closer supervision (e.g. swimming, heights, roads).	However, children,Äôs concerns did not always align with those of their parents; while parents focused on new and reconceptualised physical risks o the child, the children,Äôs primary preoccupation was with being stigmatised by their peers.	Not reported. Parents for physical ri associated epilepsy, k children m concerned being stign by their po	ks influer with child's it conditione about atised	eptions of risk were enced by both the s age and their ition.	Not reported.	Not reported.	Parents' decision making regarding the communication of risks to children. Determine whether children think about stigma in terms of risk
Wo et al. 2018 Malaysia	experiences of parents and their children, and to identify the needs and challenges faced by	Methods: In-depth, semi- structured interviews. Participants: Parents and	Recruitment: Parents were recruited from the paediatric (8-18yrs) and adult neurology (15-18yrs) clinics of a tertiary hospital in Malaysia. Key eligibility: parents of children (8-18yrs), diagnosed ≥6 months, ≤4 seizures in the past 6 months.	Parents: n=15 Gender/role: mother (n=12); father (n=3). Age: range 33-58yrs (mean 42.1, SD 5.6yrs) Children: n=15 Gender: female (n=7), male (n=8) Age: range 8-17yrs (mean 12.7, SD 1.7).		approach and thematic	 Fear of death: fear child would die in first seizure. Fear of unpredictability of symptoms: fear that their child may have a seizure at any time still persisted, even several years after the diagnosis of epilepsy. Fear about the future: worries about child's health, school performance, and future (whether they would be able to live independently and have equal rights for employment). Fears about cause of epilepsy: some families also believed that epilepsy was a 'supernatural' disease, caused by bad spirits. 	that their child may have a seizure, and no one would know how to care for their child. Impact on work and finance: some parents were forced to give up their jobs to take care of their child with epilepsy.	 emotional reactions parents were upset, shocked, and worried. Impact on parents: some parents developed health or mental health issues. Some parents became anxious and depressed, because of the stress in caring for their child with epilepsy. Constantly worried. Impact of disclosure: fear of stigmatisation, 	similar in areas: phy functionin academic achieveme bullying. Difference differed in emotional functionin behavioral and interp relationsh	ollowing proble ical differe , strates focuse nt, and effect focuse s: views Contin discuse , changes, ersonal	ems using two rent coping egies: problem- ed coping and	Only recruited children with controlled seizures. Imbalance of gender, ethnicity, and socioeconomic status (SES).	Not reported.	Not reported.