

Appendix A

Search Terms and Strategy (PubMed)

Key Search Terms	Search Strategy
Child and young person	child OR child* OR adolescent OR adolesc* OR juvenile* OR pediatric OR pediatric* OR paediatric* OR teen* OR youth* OR young* OR girl* OR boy OR boys
Type 1 diabetes	AND type 1 diabetes OR iddm OR t1dm OR t1d OR 'type 1 diabetic' OR 'juvenile onset diabetes' OR 'juvenile diabetes' OR 'early onset diabetes' OR 'autoimmune diabetes' OR 'auto immune diabetes' OR insulin depend* OR insulindepend* OR absolute insulin deficien* OR 'paediatric diabetes' OR 'pediatric diabetes' OR 'childhood diabetes' OR type i diabetes OR 'type one diabetes'
Self-management	AND 'Self Care'[Mesh] OR 'Self Efficacy'[Mesh] OR self manag* OR self care OR self efficac* OR self treat* OR self direct* OR self help* OR self monitor* OR 'Consumer Participation'[Mesh] OR 'Personal Autonomy'[Mesh] OR 'Decision Making'[Mesh] OR decision mak* OR patient participat* OR autonomy OR autonomous OR responsibilit* OR 'Health Behavior'[Mesh] OR adherence OR 'Life Change Events'[Mesh] OR 'Adaptation, Psychological'[Mesh] OR empower* OR 'Power (Psychology)'[Mesh] OR 'Attitude to Health'[Mesh] OR 'Emotional Adjustment'[Mesh] OR health attitude* OR patient involv* OR psychological adaptation* OR psychological adjust* OR behavioural adaptation* OR behavioral adaptation* OR behavioural adjust* OR behavioral adjust*
Qualitative	AND 'Qualitative Research'[Mesh] OR 'Nursing Methodology Research'[Mesh] OR 'Interviews as Topic'[Mesh] OR qualitative OR interview* OR theme* OR thematic OR grounded theor* OR phenomenol* OR ethnograph* OR ethnolog* OR emic OR etic) OR hermeneutic* OR heuristic* OR semiotic* OR data saturat* OR participant observ* OR experienc* OR purposive sampl* OR cluster sampl* OR 'Focus Groups'[Mesh] OR focus group* OR observational method* OR content analys* OR constant compar* OR key informant* OR theoretical sampl* OR theoretical saturat* OR discourse analys* OR discursive* OR discuss* OR narrativ* OR narration* OR ethnomethodolog* OR mixed method* OR mixed model* OR mixed design* OR multiple method* OR multimethod* OR conversation analys* OR triangulat* OR 'Attitude'[Mesh]) OR attitud* OR opinion* OR perspectiv* OR experiential

Appendix B

Quality appraisal of included studies

Author (year)	Clear statement of aims	Qualitative methodology appropriate	Appropriate research design	Appropriate recruitment strategy	Appropriate data collection method	Researcher and participant relationship considered	Consideration of ethical issues	Rigorous data analysis	Clear statement of findings	Valuable research
Babler & Strickland (2016)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	Yes	Yes	Yes
Babler & Strickland (2015a)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	Yes	Yes	Yes
Babler & Strickland (2015b)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	Yes	Yes	Yes
Boman et al. (2015)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Burke & Dowling (2007)	Yes	Yes	Yes	Can't tell	Yes	Can't tell	Yes	Can't tell	Yes	Yes
Carroll & Marrero (2006)	Yes	Yes	Yes	Can't tell	Can't tell	Can't tell	Yes	Can't tell	Can't tell	Can't tell
Chao et al. (2016)	Yes	No	Can't tell	Can't tell	Can't tell	Can't tell	Can't tell	Yes	Yes	Yes
Chilton & Pires-Yfantouda (2015)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Christian et al. (1999)	Yes	Yes	Can't tell	Can't tell	Yes	No	Can't tell	Yes	Yes	Can't tell

Author (year)	Clear statement of aims	Qualitative methodology appropriate	Appropriate research design	Appropriate recruitment strategy	Appropriate data collection method	Researcher and participant relationship considered	Consideration of ethical issues	Rigorous data analysis	Clear statement of findings	Valuable research
Cosma & Baban (2015)	Yes	Yes	Can't tell	Can't tell	Yes	Can't tell	Can't tell	Can't tell	Yes	Yes
Cruz et al. (2018)	Yes	Yes	Can't tell	Can't tell	Yes	No	Can't tell	Can't tell	Yes	Yes
Damaio & Pinto (2007)	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Davidson et al. (2004)	Yes	Yes	Can't tell	Can't tell	Can't tell	No	Can't tell	Yes	Yes	Yes
Dickinson & O'Reilly (2004)	Yes	Yes	Yes	Can't tell	Can't tell	Can't tell	Yes	Yes	Yes	Yes
Faro (1999)	Yes	Yes	Yes	Yes	Yes	No	Can't tell	Yes	Can't tell	Yes
Hanna & Guthrie (2001)	Yes	Yes	Can't tell	Yes	Yes	Can't tell	Yes	Yes	Yes	Yes
Hanna & Guthrie (2000)	Yes	Yes	Yes	Yes	Yes	Can't tell	Yes	Can't tell	Can't tell	Yes
Hermann (2006)	Yes	Yes	Yes	Yes	Yes	Can't tell	Yes	Yes	Yes	Yes
Huus & Enskar (2007)	Yes	Yes	Yes	Can't tell	Yes	No	Can't tell	Can't tell	Yes	Can't tell
Karlsson et al. (2008)	Yes	Yes	Yes	Can't tell	Yes	Yes	Yes	Yes	Yes	Yes

Author (year)	Clear statement of aims	Qualitative methodology appropriate	Appropriate research design	Appropriate recruitment strategy	Appropriate data collection method	Researcher and participant relationship considered	Consideration of ethical issues	Rigorous data analysis	Clear statement of findings	Valuable research
Kupper et al., 2018	Yes	Yes	Yes	Can't tell	Yes	Can't tell	Yes	Yes	Yes	Yes
Kyngas & Barlow (1995)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	Yes	Yes	Yes
Kyngas & Hentinen (1995)	Yes	Yes	Yes	Can't tell	Can't tell	Yes	Yes	Can't tell	Yes	Yes
Kyngas et al. (1998)	Yes	Yes	Can't tell	Can't tell	Can't tell	Can't tell	Yes	No	Yes	Yes
Leach & Erickson (1988)	No	Can't tell	Can't tell	Can't tell	Yes	No	No	Can't tell	Can't tell	Can't tell
Leonard et al. (2005)	Yes	Can't tell	Can't tell	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Marshall et al. (2018)	Yes	Yes	Yes	Can't tell	Yes	Can't tell	Can't tell	Can't tell	Yes	Yes
Maslakpak et al. (2010)	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Meldman (1987)	Can't tell	Yes	Yes	Can't tell	Yes	Can't tell	Can't tell	Yes	Yes	Yes
Peters et al. (2014)	Yes	Yes	Yes	Can't tell	Yes	No	Yes	Yes	Yes	Yes
Rankin et al. (2018)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ryninks et al. (2015)	Yes	No	Can't tell	Yes	Can't tell	Yes	Yes	Yes	Yes	Yes

Author (year)	Clear statement of aims	Qualitative methodology appropriate	Appropriate research design	Appropriate recruitment strategy	Appropriate data collection method	Researcher and participant relationship considered	Consideration of ethical issues	Rigorous data analysis	Clear statement of findings	Valuable research
Serlachius et al. (2012)	Yes	Yes	Yes	Yes	Yes	No	Yes	Can't tell	Yes	Yes
Standiford et al. (1997)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Can't tell	Yes	Yes
Sullivan-Bolyai et al. (2014)	Yes	Yes	Yes	Can't tell	Can't tell	Yes	Yes	Can't tell	Yes	Yes
Viklund & Wikblad (2009)	Yes	Yes	Yes	Yes	Can't tell	Can't tell	Yes	Yes	Yes	Yes
Wang et al. (2013)	Yes	Yes	Yes	Yes	Yes	Can't tell	Yes	Yes	Yes	Yes
Wang et al. (2010)	Yes	Yes	Yes	Can't tell	Yes	Can't tell	Yes	Can't tell	Yes	Yes
Weinger et al. (2001)	Yes	Yes	Yes	Can't tell	Yes	Can't tell	Yes	Can't tell	Yes	Yes
Ye et al. (2017)	Yes	Yes	Yes	Yes	Yes	Can't tell	Yes	Yes	Yes	Yes

Appendix C

Themes identified in each article by number of extracts coded

Analytic themes	Negotiating independence				Feeling in control				Total number of extracts coded for descriptive theme
	Coming to terms with T1D	Parental roles and parent involvement in T1D self-management	Others' involvement in self-management	Becoming independent in T1D self-management	Structuring self-management into everyday life	Ability to self-manage T1D	Fitting in or standing out and self-management of T1D	Thinking about the future and T1D complications	
(Number of articles descriptive theme is present in)	(32)	(33)	(40)	(31)	(39)	(24)	(34)	(25)	
Babler & Strickland, 2016	42	6	7	11	37	24	1	3	131
Babler & Strickland, 2015a	11	4	4	10	12	3	3	4	51
Babler & Strickland, 2015b	5	42	5	28	50	4	4	2	140
Boman et al., 2015	5	10	48	7	24	8	5	4	111
Burke & Dowling, 2007	6	0	16	0	13	0	0	0	35
Carroll & Marrero, 2006	8	39	29	6	32	3	1	3	121
Chao et al, 2016	1	5	11	1	18	1	1	4	42
Chilton & Pires-Yfantouda, 2015	26	6	13	13	31	6	1	6	102
Christian et al., 1999	1	10	18	15	13	5	2	1	65
Cosma &	16	7	18	5	28	3	7	4	88

Analytic themes	Negotiating independence				Feeling in control				Total number of extracts coded for descriptive theme
	Coming to terms with T1D (32)	Parental roles and parent involvement in T1D self-management (33)	Others' involvement in self-management (40)	Becoming independent in T1D self-management (31)	Structuring self-management into everyday life (39)	Ability to self-manage T1D (24)	Fitting in or standing out and self-management of T1D (34)	Thinking about the future and T1D complications (25)	
Baban, 2015									
Cruz et al., 2018	1	6	4	1	8	0	1	3	24
Damaio & Pinto, 2007	14	0	8	4	15	0	1	2	44
Davidson et al., 2004	3	5	12	5	12	6	1	0	44
Dickinson & O'Reilly, 2004	2	9	30	6	23	2	5	8	85
Faro, 1999	3	0	4	0	25	0	6	4	42
Hanna & Guthrie, 2001	0	8	2	0	0	0	0	0	10
Hanna & Guthrie, 2000	0	1	2	5	3	3	0	0	14
Hermann, 2006	12	9	24	4	52	6	6	3	116
Huus & Enskar, 2007	0	5	6	1	6	1	2	0	21
Karlsson et al., 2008	2	21	10	10	12	8	1	0	64
Kupper et al., 2018	0	1	6	2	7	0	5	0	21
Kyngas & Barlow, 1995	5	3	10	0	18	0	5	12	53
Kyngas & Hentinen, 1995	2	7	10	5	37	3	2	15	81
Kyngas et al.,	2	18	33	1	7	0	2	0	63

Analytic themes	Negotiating independence				Feeling in control				Total number of extracts coded for descriptive theme
	Coming to terms with T1D (32)	Parental roles and parent involvement in T1D self-management (33)	Others' involvement in self-management (40)	Becoming independent in T1D self-management (31)	Structuring self-management into everyday life (39)	Ability to self-manage T1D (24)	Fitting in or standing out and self-management of T1D (34)	Thinking about the future and T1D complications (25)	
1998									
Leach & Erickson, 1988	4	1	3	0	11	1	1	2	23
Leonard et al., 2005	1	44	14	2	4	0	0	4	69
Marshall et al., 2018	3	0	9	0	3	0	3	0	18
Maslakpak et al., 2010	1	4	24	1	18	0	1	7	56
Meldman 1987	13	2	15	3	12	3	1	3	52
Peters et al., 2014	2	0	28	0	3	0	7	0	40
Rankin et al., 2018	0	0	39	1	10	0	10	0	60
Ryninks et al., 2015	3	2	12	0	6	1	1	0	25
Serlachius et al., 2012	0	7	8	9	16	0	1	6	47
Standiford et al., 1997	1	5	18	3	5	0	2	2	36
Sullivan-Bolyai et al., 2014	2	15	15	4	7	1	0	0	44
Viklund & Wikblad, 2009	1	26	3	21	8	4	0	2	65
Wang et al.,	3	5	15	4	29	2	10	1	69

Analytic themes	Negotiating independence				Feeling in control				Total number of extracts coded for descriptive theme
	Coming to terms with T1D	Parental roles and parent involvement in T1D self-management	Others' involvement in self-management	Becoming independent in T1D self-management	Structuring self-management into everyday life	Ability to self-manage T1D	Fitting in or standing out and self-management of T1D	Thinking about the future and T1D complications	
Descriptive themes (Number of articles descriptive theme is present in)	(32)	(33)	(40)	(31)	(39)	(24)	(34)	(25)	
2013									
Wang et al., 2010	1	10	17	5	8	2	5	0	48
Weinger et al., 2001	0	28	6	0	6	0	2	2	44
Ye et al., 2017	1	0	15	4	15	1	4	3	43
Total number of codes per descriptive theme	203	371	571	197	644	101	110	110	