Appendix 3. Search logs

	Date of search	Name of Database	Search focus	Search terms and strategy used	No. results yielded and no. selected by Prof Gomersall	No. potentially relevant results
1.	7.01	Social Policy and Practice	Demographics	1 ((Age or location* or number* or ethnic*or gender) and (deaf* or hearing impair*or sensory disab*)).mp. [mp=abstract, title, publication type, heading word, accession number] (109) 2 ((Age or location* or number* or ethnic*or gender or demograph*) and (deaf* or hearing impair*or sensory disab*)).mp. [mp=abstract, title, publication type, heading word, accession number] (113) 3 ((Age or location* or number* or ethnic*or gender) and (deaf* or anacusis or hearing impair*or sensory disab*)).mp. [mp=abstract, title, publication type, heading word, accession number] (109)	123 hits, first 25 selected	14
2.	7.01	Health Manageme nt	Demographics	1 ((Age or location* or number* or ethnic*or gender) and (deaf* or hearing impair*or sensory disab*)).mp. [mp=title, other title, abstract, heading words] (96)	96 hits, first 25 selected	13

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		Information Consortium (HMIC)		2 ((Age or location* or number* or ethnic*or gender or demograph*) and (deaf* or hearing impair*or sensory disab*)).mp. [mp=title, other title, abstract, heading words] (98) 3 ((Age or location* or number* or ethnic*or gender) and (deaf* or anacusis or hearing impair*or sensory disab*)).mp. [mp=title, other title, abstract, heading words] (96)		
3.	7.01	PsycINFO	Social media	1 ((deaf* or hearing impair*or sensory disab*) and (social media or video or assistive technology or IT or streaming or twitter or facebook or instagram or linkedin or text relay or telecom* or phone caption*)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures] (1783) 2 ((deaf* or hearing impair*or sensory disab*) and ((social and media) or video or assistive technology or IT or streaming or twitter or facebook or instagram or linkedin or text relay or telecom* or phone caption*)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures] (1787) 3 ((deaf* or hearing impair*or sensory disab*) and ((social and media) or video or (assistive and technology) or (Information and Technology) or streaming or twitter or facebook or instagram or linkedin or text relay or telecom* or phone caption*)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests &	143, all selected	26

		1				
				measures] (204)		
				4 limit 3 to (human and english language and yr="2005 -Current") (180)		
				5 (autism or blind or medic* or surg*).mp. [mp=title, abstract, heading		
				word, table of contents, key concepts,		
				original title, tests & measures] (222254)		
				6 limit 5 to yr="2005 -Current" (191647)		
				7 4 not 6 (143)		
4.	7.01	Embase	Social media	1 ((deaf* or hearing impair*or sensory disab*) and (social media or	141 hits, 68 selected	10
4.	7.01	Lilibase		video or assistive technology or IT or streaming	141 IIIIS, 00 Selected	10
				or twitter or facebook or instagram or linkedin or text relay or telecom* or		
				phone caption*)).mp. [mp=title, abstract,		
				subject headings, heading word, drug trade name, original title, device		
				manufacturer, drug manufacturer, device trade		
				name, keyword] (9524)		
				2 ((deaf* or hearing impair*or sensory disab*) and ((social and media)		
				or video or assistive technology or IT or		
				streaming or twitter or facebook or instagram or linkedin or text relay or		
				telecom* or phone caption*)).mp. [mp=title,		
				abstract, subject headings, heading word, drug trade name, original title,		
				device manufacturer, drug manufacturer,		
				device trade name, keyword] (9570)		
				3 ((deaf* or hearing impair*or sensory disab*) and ((social and media)		
				or video or (assistive and technology) or		
				(Information and Technology) or streaming or twitter or facebook or		
				instagram or linkedin or text relay or telecom* or		
L	<u> </u>	<u> </u>	1			

			I			1
				phone caption*)).mp. [mp=title, abstract, subject headings, heading word,		
				drug trade name, original title, device		
				manufacturer, drug manufacturer, device trade name, keyword] (509)		
				4 limit 3 to (human and english language and yr="2005 -Current") (266)		
				5 (autism or blind or medic* or surg*).mp. [mp=title, abstract, subject		
				headings, heading word, drug trade name,		
				original title, device manufacturer, drug manufacturer, device trade name,		
				keyword] (5286016)		
				6 limit 5 to yr="2005 -Current" (2825148)		
				7 4 not 6 (172)		
				8 implant*.mp. (414531)		
				9 limit 8 to (human and english language and yr="2005 -Current")		
				(166414)		
				10 7 not 9 (141)		
5.	7.01	Medline	Social media	1 ((deaf* or hearing impair*or sensory disab*) and (social media or	75 hits, 25 selected	0
0.	7.01	Wodinio		video or assistive technology or IT or streaming	70 1110, 20 00100100	
				or twitter or facebook or instagram or linkedin or text relay or telecom* or		
				phone caption*)).mp. [mp=title, abstract,		
				original title, name of substance word, subject heading word, keyword		
				heading word, protocol supplementary concept word,		
				rare disease supplementary concept word, unique identifier] (6199)		
				2 ((deaf* or hearing impair*or sensory disab*) and ((social and media)		
				or video or assistive technology or IT or		
			l .	I .		

streaming or twitter or facebook or instagram or linkedin or text relay or telecom* or phone caption*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (6211)3 ((deaf* or hearing impair*or sensory disab*) and ((social and media) or video or (assistive and technology) or (Information and Technology) or streaming or twitter or facebook or instagram or linkedin or text relay or telecom* or phone caption*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (329) 4 limit 3 to (human and english language and yr="2005 -Current") (137)(autism or blind or medic* or surg*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier] (3492455) limit 5 to yr="2005 -Current" (1374814) 4 not 6 (110)

implant*.mp. (352873)

				9 limit 8 to (human and english language and yr="2005 -Current") (115340) 10 7 not 9 (74)		
6.	7.01	ASSIA	Social media	(deaf* OR "hearing impair*" OR "sensory disab*") AND ("social media" OR video OR "assistive technology" OR "Information Technology" OR streaming OR twitter OR facebook OR instagram OR linkedin OR "text relay*" OR telecom* OR "phone caption*") AND pd(2005-2015)	21 hits, 15 selected	2 (both duplicates)
7.	7.01	Linguistics and Language Behaviour Abstracts	Social media	S1 S1 (deaf* OR "hearing impair*" OR "sensory disab*") AND ("social media" OR video OR "assistive technology" OR "Information Technology" OR streaming OR twitter OR facebook OR instagram OR linkedin OR "text relay*" OR telecom* OR "phone caption*") AND pd(2005-2015) S2 (deaf* OR "hearing impair*" OR "sensory disab*") AND ("social media" OR video OR "assistive technology" OR "Information Technology" OR streaming OR twitter OR facebook OR instagram OR linkedin OR "text relay*" OR telecom* OR "phone caption*") AND pd(2005-2015)	147 hits, 94 selected	8
8.	9.01	Social Policy and Practice	Deaf integration	((integrat* or involv* or engag* or social inclu*) and (communit* or society) and (deaf* or hearing impair* or (sensory and disab*))).mp. [mp=abstract, title, publication type, heading word, accession number] (81) limit 1 to yr="2000 -Current" (68)	68 hits, 43 selected	12
9.	9.01	ASSIA	Deaf integration		31 hits, 6 selected	1 (possible duplicates)
10.	9.01	IBSS	Deaf integration		41 hits, 19 selected	2 (both duplicates)
11.	9.01	Sociological	• Deaf		60 hits, 47 selected	5

		Abstracts	integration			
12.	9.01	Social Services Abstracts	Deaf integration		21 hits, 12 selected	3
13.	12.01	PsycINFO	health	1 ((deaf* or hearing impair* or (hard and hearing)) and (health or disab*)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures] (1505) 2 limit 1 to yr="2006 -Current" (1172) 3 ((deaf* or hearing impair* or (hard and hearing)) and (health or healthcare)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures] (847) 4 limit 3 to yr="2007 -Current" (611)	601 hits, 65 selected (from first 200 hits)	5
14.	12.01	PsycINFO	• health	1 ((deaf* or hearing impair* or (hard and hearing)) and (health or disab*)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures] (1505) 2 limit 1 to yr="2006 -Current" (1172) 3 ((deaf* or hearing impair* or (hard and hearing)) and (health or healthcare)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures] (847) 4 limit 3 to yr="2007 -Current" (611) 5 (brazil* or far east or surg* or coch* or japan* or chin*).mp. [mp=title, abstract, heading word, table of	304 hits, 42 selected	11

				contents key concents original title tests & measures (22011)		
				contents, key concepts, original title, tests & measures] (82911) 6 limit 5 to (human and english language and yr="2007 - 2013") (47867)		
15.	12.01	Social Policy and Practice	Health	7 4 not 6 (538) 1 ((deaf* or hearing impair* or (hard and hearing)) and (health or disab*)).mp. [mp=abstract, title, publication type, heading word, accession number] (992) 2 limit 1 to yr="2006 -Current" (287) 3 ((deaf* or hearing impair* or (hard and hearing)) and (health or healthcare)).mp. [mp=abstract, title, publication	123 hits, all selected	30
				type, heading word, accession number] (401) 4 limit 3 to yr="2007 -Current" (123)		
16.	12.01	Linguistics and Language Behaviour Abstracts	• BSL	S2 (deaf* OR "hearing impair*" OR (sensory AND disab*)) AND (BSL OR "british sign language") AND pd(2006-2015) S1 (deaf* OR "hearing impair*" OR (sensory AND disab*)) AND (BSL OR "british sign language") AND "standard English" AND pd(2006-2015)	51 hits, 12 selected	11
17.	12.01	Linguistics and Language Behaviour Abstracts	• BSL	S6 (deaf* OR "hearing impair*" OR (sensory AND disab*)) AND (BSL OR "british sign language") AND english AND pd(2006-2015) S5 (deaf* OR "hearing impair*" OR (sensory AND disab*)) AND (BSL OR "british sign language") AND pd(2006-2015) S4 (deaf* OR "hearing impair*" OR (sensory AND disab*)) AND (BSL OR "british sign language") AND english AND pd(2006-2015) S3 (deaf* OR "hearing impair*" OR (sensory AND disab*)) AND (BSL OR "british sign language") AND pd(2006-2015) S2 (deaf* OR "hearing impair*" OR (sensory AND disab*)) AND (BSL OR "british sign language") AND pd(2006-2015)	51 hits, 12 selected	8

(OPM	Research into the Deaf audience in the UK			
			S1 (deaf* OR "hearing impair*" OR (sensory AND disab*)) AND (BSL OR "british sign language") AND "standard English" AND pd(2006-2015)		

Appendix 4. Annotated bibliography of datasets

The table below shows surveys held by the UK Data Archive that may be of interest, with description of key variables for analysis:

No.	Code	Full Title	Description of study	D/deaf/ hearing loss	Key variables and topics	Sample size and timescales	Country/ Region	Year	Comments on relevance
1	SN 6653	Life Opportuniti es Survey: Waves 1-2, 2009-2012	Large scale longitudinal survey of disability in Great Britain. It is the first major ONS social survey to explore disability in terms of the social barriers to participation that people experience. The survey compares the experiences of disabled people with those of nondisabled people	Hearing difficulties (no definition but breaks down by severity – severe + no hearing)	Hearing status (hearing difficulty and severity) Use of hearing aids Demographic and household information Impairments and health conditions Leisure, social and cultural activities Social contact Accessibility of public services Education and training Employment Economic life and living standards Domestic life and social care Discrimination	Waves 1-2: 47,572 Longitudinal panel/cohort Respondents interviewed every 12 months	Great Britain	2009-2012	Contains info on hearing difficulties (severe difficulty hearing N=223 and no hearing N=13) and whether this limits the amount or kind of activities they can do. Provides more general info on a range of issues regarding everyday life and social barriers to participation

No.	Code	Full Title	Description of study	D/deaf/ hearing loss	Key variables and topics	Sample size and timescales	Country/ Region	Year	Comments on relevance
2	SN 4217	ONS Omnibus Survey, June 1998	Monthly questionnaire consists of two elements: core questions, covering demographic information, and non-core questions. The non-core questions included a module on hearing and television viewing + subtitles	Hearing difficulty (no definition/s cale)	Demographic and household information Hearing difficulty Hearing difficulty when watching TV Hearing aids Induction loops for television Television subtitles Television viewing knowledge Types of television programmes watches How often TV is watched (with a without subtitles) Television preferences and use	1,903 Repeated cross-sectional study	Great Britain	1998	Provides a lot of information on TV preferences, behaviours and use for people with hearing difficulties (N=410). Some info might be slightly outdated due to changes in television (technology and programmes) in the last 15 years Repeated in July 1998 survey

No.	Code	Full Title	Description of study	D/deaf/ hearing loss	Key variables and topics	Sample size and timescales	Country/ Region	Year	Comments on relevance
3	SN 4528	ONS Omnibus Survey, October 2000	Monthly questionnaire consists of two elements: core questions, covering demographic information, and non-core questions. Includes a module asked on behalf of the BBC. It was asked of all household members aged nine or over who had hearing difficulties or difficulty hearing the TV at normal volume	Hearing difficulty (no definition/s cale)	Demographic and household information Hearing difficulty Hearing difficulty when watching TV Subtitles Views of using subtitles Reasons for not using subtitles Most watches channels Most watched programmes	1,799 Repeated cross-sectional study	Great Britain	2000	Provides a lot of info on television viewing and the use of subtitles for people with difficulty hearing TV (N=322). Similar to June/July 1998 survey Repeated Jan 2001 (SN 4533), Nov 2000 (SN 4532), Sep 2000 (SN 4531)
4	SN 6829	ONS Opinions Survey, October 2009	Monthly questionnaire consists of two elements: core questions, covering demographic information, and non-core questions. Includes a module seeking information regarding health problems which are long-lasting in nature and cause problems with normal daily activities	Deafness or partial hearing (no definition)	Demographic and household information Hearing difficulty Difficulty carrying out daily activities Difficulty taking part in areas of life	1,039 Repeated cross-sectional study	Great Britain	2009	Provides information on difficulties carrying out daily activities due to disability, and difficulties taking part in areas of life (e.g. education, social activities, leisure activities)

No.	Code	Full Title	Description of study	D/deaf/ hearing loss	Key variables and topics	Sample size and timescales	Country/ Region	Year	Comments on relevance
5	SN 5501	Continuous Household Survey, 2005-2006	One of the largest continuous surveys carried out in Northern Ireland. It is based on a sample of the general population resident in private households. The Survey is designed to provide a regular source of information on a wide range of social and economic issues relevant to Northern Ireland	Hearing difficulty (no definition/s cale)	Hearing in the elderly Use of hearing aids Demographic, personal and family information Employment Education Health Sport and cultural/social capital	5,026 Repeated cross-sectional study Data collected annually	Northern Ireland	2005- 2006	Provides information on hearing difficulties (N=444) and the use of hearing aids among the elderly, how they obtained hearing aids, what made them decide to buy them, etc. Provides demographic info on wider social and economic issues
6	SN 7564	Continuous Household Survey, 2012-2013	One of the largest continuous surveys carried out in Northern Ireland. It is based on a sample of the general population resident in private households. The Survey is designed to provide a regular source of information on a wide range of social and economic issues relevant to Northern Ireland	Hearing condition (for example deafness or partial hearing)	Hearing condition Demographic, family and household information Internet use Participation in Sport and Leisure, Arts and Culture Health Education Employment	2,712 households 3,625 individuals Repeated cross- sectional study Data collected annually	Northern Ireland	2012- 2013	Provides demographic info on social and economic issues, health, participation daily activities, and internet use Asks if repondent has a hearing condition (N=54)

No.	Code	Full Title	Description of study	D/deaf/ hearing loss	Key variables and topics	Sample size and timescales	Country/ Region	Year	Comments on relevance
7	SN 6271	General Household Survey, 1998-1999	Continuous annual national survey of people living in private households. Collects data on a range of core topics, covering household, family and individual information	Hearing difficulty (no definition/s cale)	Hearing difficulty Use of hearing aids Demographic, personal and family information Employment Education Health	4543 Repeated cross- sectional study	Great Britain	1998- 1999	Provides information on hearing difficulties and the use of hearing aids, and wider info on demographics and social and economic issues
8	SN 7632	Welsh Health Survey, 2013	Collects information about the health of people living in Wales, the way they use health services, and then things that can affect their health. The survey is designed to provide national estimates of health and health-related lifestyle and examine differences between population sub-groups and local areas	Hearing difficulty (no definition/s cale)	Hearing difficulty Health and wellbeing Health-related behaviours (e.g. smoking, exercise) Demographic information Health service use	15,007 adults and 2,996 children Repeated cross- sectional study	Wales	2013	Provides information on health, lifestyle factors, and use of health services. 2,539 respondents had hearing difficulty

No.	Code	Full Title	Description of study	D/deaf/ hearing loss	Key variables and topics	Sample size and timescales	Country/ Region	Year	Comments on relevance
9	SN 7501	Quarterly Labour Force Survey, January - March, 2014	Source of information using international definitions of employment and unemployment and economic inactivity, together with a wide range of related topics such as occupation, training, hours of work and personal characteristics of household members aged 16 years and over	Hearing difficulty (no definition/s cale)	Difficulty hearing Health problems Demographic information Employment	99,315 Repeated cross- sectional study	UK	2014	Provides information on issues relating to employment, such as employment details, benefit entitlement, looking for work. May provide info on employment issues for people with difficulty hearing
10	SN 7464	Millennium Cohort Study: Fifth Survey, 2012	The fifth sweep took place when the children were aged around 11. Interviews were conducted with child's parents/carers. Children had measurements taken and participated in three cognitive assessments and completed a self-completion questionnaire. A survey of class teachers was also conducted	Hearing condition (for example deafness or partial deafness)	Hearing condition Health Demographic, family, and household information Education, schooling and childcare Child and family activities; Parenting activities Employment, income and education Cognitive and physical measurements	13,287 parents; 7,430 teachers Longitudinal cohort/panel	UK	2012	Provides info on children aged ~11 about schooling, family life, health, child behaviour, etc. Also provides demographic, family and household info. Asks if child/parent has a hearing condition (N=153 for parents, N=108 for children). If relevant, can also access 1 st sweep (SN 4683), 2 nd (SN 5350), 3 rd (SN 5795), 4 th (SN

No.	Code	Full Title	Description of study	D/deaf/ hearing loss	Key variables and topics	Sample size and timescales	Country/ Region	Year	Comments on relevance
									6411)
11	SN 5545	Longitudinal Study of Young People in England: Waves One to Seven, 2004-2010	Major panel study of young people. The study began in 2004, when the sample of young people were aged 13-14. Annual interviews obtain information from the young person and additional information from parents/carers	Physical problems (e.g. deafness, sight difficulties) Communic ation problems (e.g. speech, hearing)	Communication problems Special Education Needs relating to physical problems Demographic, family, and household information Personal characteristics Attitudes, experiences and behaviours Attainment in education Child development and child rearing Schooling Employment Post-16 plans YP Not in Education Employment or Training Information, advice and guidance Relationships and sexuality	Wave 1: 15,770 households, Wave 2: 13,539 Wave 3: 12,439 Wave 4: 11,449 Wave 5: 10,430 Wave 6: 9,799 Wave 7: 8,682 Longitudinal cohort/panel Multi-stage stratified random sample	England	2004- 2010	Provides information on family life, child development, social attitudes and behaviour, education, etc. Asks whether YP has special needs relating to physical problems (e.g. deafness, sight difficulties). N=227 (full responses may provide number of deaf YP and determine relevance). Likewise, asks about communication problems (e.g. speech, hearing – full responses may determine relevance)
12	SN 7473	1970 British Cohort Study: Forty-Two- Year Follow-Up,	Follow up of The 1970 British Cohort Study when data were collected about the births and families of babies born in the UK in one particular week in	Hearing problems (partial or total hearing loss in both	Hearing loss Health Family Relationships Employment	9,841 Longitudinal panel/cohort No sampling	Great Britain	2012	Provides info on health, education, and social circumstances. Asks if respondent has partial or total hearing loss in both ears

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No.	Code	Full Title	Description of study	D/deaf/ hearing loss	Key variables and topics	Sample size and timescales	Country/ Region	Year	Comments on relevance
		2012	1970. This follow up monitors the cohort members' health, education, social and economic circumstances. Comprised of a 'core' faceto-face interview and a self-completion questionnaire	ears)	Qualifications Vocabulary assessment Psychological outlook Cultural consumption (e.g. television, books) TV programmes				(N=125) Section on TV, including how often they watch TV and what types of programmes they watch If relevant, access1970 BCS, 1970-2005 (SN 5641)
13	SN 5578	National Child Developme nt Study: Sweep 6, 1999-2000	Follow up study of over 17,000 babies born in Britain in one week in March 1958. Surviving members of this birth cohort were surveyed in order to monitor their changing health, education, social and economic circumstances Interview questionnaire & self-completion questionnaire	Overall hearing (deaf or nearly so)	Hearing Demographic, family and household information Social attitudes and behaviour Family, social relationships and support Employment Lifelong learning Experience of school exclusion and truancy Health Citizenship and values	11,419 Longitudinal panel/cohort No sampling	Great Britain	1999- 2000	Provides info on health, education, employment, social attitudes and behaviour, child development and child rearing, family life and marriage Asks if respondent is 'deaf or nearly so' (N=18)
14	SN 6137	National Child Developme	Follow up study of over 17,000 babies born in Britain in one week in	Deafness/ born deaf	Hearing Demographic, family and household information	9,790 Longitudinal panel/cohort	Great Britain	2008- 2009	Provides info on health, education, employment, social

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No.	Code	Full Title	Description of study	D/deaf/ hearing loss	Key variables and topics	Sample size and timescales	Country/ Region	Year	Comments on relevance
		nt Study: Sweep 8, 2008-2009	March 1958. Surviving members of this birth cohort were surveyed in order to monitor their changing health, education, social and economic circumstances Interview questionnaire & self-completion questionnaire		Social attitudes and behaviour Family, social relationships and support Employment Lifelong learning Experience of school exclusion and truancy Health Citizenship and values	No sampling			attitudes and behaviour, child development and child rearing, family life and marriage Asks about problems with hearing. Some responded with deafness/ born deaf (N=40)

Other potentially relevant datasets/questions

- Northern Ireland Life and Times Survey, 2003 (SN 5002)
 - Would you regard someone with a hearing difficulty as being disabled?
- British Social Attitudes Survey, 2005 (SN 5618)
 - Would you think of an older person who cannot hear without a hearing aid as a disabled person?
 - Generally speaking, how much prejudice do you think there is in Britain, against people who are deaf?

Search hits

Deaf*

- Datasets = 114 hits
- Variables (inc. descriptive text, labels, questions) = 3789 hits (112 datasets)
- Questions = 109 hits (28 datasets)

Datasets with questions including "deaf*":

- Scottish Household Survey (2003-2004 & 2005-2006)
- Northern Ireland Life and Times Survey (2003 & 2009)
- British Social Attitudes Survey (2005 & 2009)
- ONS Omnibus Survey (Oct 2003, Jun 2005, Mar 2008, Oct 2009, Nov 2009, Jan 2010, May 2010, June 2010, July 2010)
- 1970 British Cohort Study: 29-Year Follow Up (1999-2000)
- National Child Development Study: Sweep 6 (1999-2000)
- Welsh Health Survey (2005-2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013)
- Millennium Cohort Study: Fifth Survey (2012)

Continuous Household Survey (2012-2013)