

National Disability Survey Ireland

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Overview

- 2006 Census of Population - 2 Questions on disability
- Census questions used to select sample for a detailed follow-up survey - the National Disability Survey
- This presentation:
 - Compare Census and NDS disability rates
 - Present detailed NDS findings on disability types and difficulty profiles of disabled in Ireland
- Focus is on coverage issues relevant to use of short Census question set

Census of Population questions

15 Do you have any of the following long-lasting conditions?

- (a) Blindness, deafness or a severe vision or hearing impairment
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
- (b) A condition that substantially limits one or more basic physical activities such as walking, climbing stairs, reaching, lifting or carrying
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
- (c) A learning or intellectual disability
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
- (d) A psychological or emotional condition
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
- (e) Other, including any chronic illness
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

16 IF 'Yes', to any of the conditions specified in Question 15, do you have any difficulty in doing any of the following activities?

- (a) Learning, remembering or concentrating
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
- (b) Dressing, bathing or getting around inside the home
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
- (c) Going outside the home alone to shop or visit a doctor's surgery
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
- (d) Working at a job or business or attending school or college
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
- (e) Participating in other activities, for example leisure or using transport
- | | |
|----------------------------|----------------------------|
| Yes | No |
| 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

Definition of disability in NDS

Category	Definition of disability				
	No difficulty	Just a little	A moderate level	A lot of difficulty	Cannot do at all
A. Seeing			√	√	√
B. Hearing			√	√	√
C. Speech			√	√	√
D. Mobility & dexterity			√	√	√
E. Remembering & concentrating			√	√	√
F. Intellectual & learning		√	√	√	√
G. Emotional, psychological, & mental health		√	√	√	√
H. Pain			√	√	√
I. Breathing			√	√	√

Two samples from Census

- NDS was primarily designed to examine in more detail the situation of persons who **had** a disability in the Census
= Census Disability Sample (**CDS**)
- A small sample of persons in private households who **did not have** a disability in the Census were also included in the NDS
= General Population Sample (**GPS**)

Census and NDS consistency

- 88% of **CDS** private households sample had a disability in both Census and NDS (weighted)
- 97% of **CDS** non-private households sample had a disability in both Census and NDS (weighted)
- 89% of **GPS** private households sample from Census neither had a disability in the Census nor in the NDS (weighted)

NDS sample & target population

Sample and target population	Achieved sample	Target population
Census disability sample	14,518	370,500
resident in private households	13,868	344,100
resident in communal establishments	650	26,400
General population sample	1,551	3,700,000
Total	16,069	4,070,500

Census and NDS

- High consistency between NDS and Census
- Small number of persons who had no disability in the Census indicated a disability in the NDS. These persons have a much larger weight attached to them as they represented around 91% of the population
- Inclusion of these persons in the prevalence rate would increase it from the 9.3% recorded in the Census to 18.5% (after excluding

Review of differences

Census	NDS
Prevalence 9.3%	Prevalence 18.5%
Multi-purpose survey	Specific survey
Yes or No response	5 point scale
Self-completed at household level	Personal interviews of named individuals
Long-lasting condition	Lasting 6 months or more or regularly re-occurring

Prevalence rates by disability type

- Mobility (83 per 1,000) and Pain (86 per 1,000) difficulties were the most reported in the combined CDS and GPS samples
- Disability rates increased from 38 per 1,000 in the Census Disability Sample to 86 per 1,000 in the combined samples for Pain and from 18 to 40 for Breathing

Disability type (rate per 1,000)

Disability type	Census Disability Sample	General Population Sample	Total population
Seeing	13	14	27
Hearing	14	10	24
Speech	9	4	13
Mobility & dexterity	45	37	83
Remembering & concentrating	28	19	46
Intellectual & learning	18	14	31
Emotional, psychological & mental health	27	20	48
Pain	38	48	86
Breathing	18	22	40
Persons with a disability (rate)	81	105	185
Persons with a disability	325,800	423,300	749,100

Level of difficulty

- Persons who reported a Census and NDS disability had higher levels of difficulty than persons who only reported an NDS disability
- 33% of persons in the CDS who had a disability in the NDS had a moderate or lower level of difficulty
- This rose to 47% when the two samples were brought together (CDS and GPS)

Level of difficulty (%)

Level of difficulty	Census Disability Sample	General Population Sample	Total population
Just a little	2%	4%	3%
A moderate level	31%	53%	44%
A lot of difficulty	43%	35%	38%
Cannot do at all	24%	7%	15%
Total	100%	100%	100%
Persons with a disability	325,800	423,300	749,100

Age differences

- Persons aged 0-17 reported a disability rate of 35 per 1,000 in the CDS but reported a much higher disability rate in the combined CDS and GPS (110 per 1,000)
- The 35-44 age group were the next most likely to be missed in the Census with the rate increasing from 59 per 1,000 to 164 per 1,000

Prevalence (rate per 1,000)

Age group	Census Disability Sample	General Population Sample	Total population
0-17	35	75	110
18-34	38	45	83
35-44	59	105	164
45-54	86	124	210
55-64	135	165	300
65-74	181	214	395
75 & over	377	282	660
Persons with a disability (rate)	81	105	185
Persons with a disability	325,800	423,300	749,100

Census Disability Sample profile

- The following slides profile persons in the CDS (had a disability in the Census and in the NDS)
- There are too few persons in the General Population Sample (No disability in the Census but had a disability in the NDS) to include them in the detailed profiles

Disability type and sex

- 56% of persons with a disability in the Census Disability Sample had a Mobility and dexterity disability
- Pain was the next most reported at 47%
- 48% were men and 52% women
- Intellectual and learning (61%) and Speech (54%) were the only disability types where there were more males than females in the CDS

Census Disability Sample

Disability type	Males	Females	Total	Persons	Persons
Seeing	42	58	100	50,600	16
Hearing	50	50	100	57,600	18
Speech	54	46	100	35,300	11
Mobility & dexterity	43	57	100	184,000	56
Remembering & concentrating	49	51	100	113,000	35
Intellectual & learning	61	39	100	71,600	22
Emotional, psychological & mental health	47	53	100	110,600	34
Pain	43	57	100	152,800	47
Breathing	49	51	100	71,500	22
Persons with a disability	48	52	100	325,800	100

Disability type by difficulty level

- 35% of persons with a Mobility and dexterity disability *Could not do* everyday activities
- Over 60% of persons with Hearing, Emotional & psychological, and Breathing disabilities had at most a moderate level of difficulty

Census Disability Sample

Disability type	Just a little	A moderate level	A lot of difficulty	Cannot do at all	Total
Seeing	n/a	55	41	5	100
Hearing	n/a	61	36	3	100
Speech	n/a	48	34	18	100
Mobility & dexterity	n/a	31	34	35	100
Remembering & concentrating	n/a	49	39	13	100
Intellectual & learning	17	36	35	12	100
Emotional, psychological & mental health	23	42	32	4	100
Pain	n/a	49	48	3	100
Breathing	n/a	63	35	2	100
Persons with a disability	2	31	43	24	100

Disability type by age group

- 36% of persons with a Seeing difficulty, 38% with a Hearing difficulty and 33% with a Mobility difficulty were aged 75 & over in the CDS (this age group represents 5% of the population)
- 38% of persons with an Intellectual and learning difficulty and 29% with a Hearing difficulty were aged under 18 (this age group represents 25% of the population)

Census Disability Sample

Disability type	0-17	18-34	35-44	45-54	55-64	65-74	75 & over	Total
Seeing	5	8	6	13	15	16	36	100
Hearing	6	6	7	11	16	16	38	100
Speech	29	18	9	10	8	8	18	100
Mobility & dexterity	4	7	8	12	18	17	33	100
Remembering & concentrating	16	13	10	11	14	11	25	100
Intellectual & learning	38	25	11	10	7	4	6	100
Emotional, psychological & mental health	9	16	16	18	17	10	13	100
Pain	2	9	11	16	22	17	23	100
Breathing	8	9	8	13	20	19	23	100
Persons with a disability	11	13	11	13	16	14	22	100

Accommodation by disability type

- 61% of persons with a disability in Nursing homes, hospitals and children's homes had a Remembering and concentrating disability compared with 32% of persons with a disability in private households
- The corresponding figures for a Speech disability were 33% and 9%
- Conversely persons with a disability in Nursing homes were less likely to have Pain or breathing disabilities

Census Disability Sample

Disability type	Private household	Nursing home, hospital and children's home	All persons
Seeing	15	22	16
Hearing	18	17	18
Speech	9	33	11
Mobility & dexterity	55	76	56
Remembering & concentrating	32	61	35
Intellectual & learning	22	27	22
Emotional, psychological & mental health	33	45	34
Pain	48	30	47
Breathing	22	16	22
Persons with a disability %	100	100	100
Persons with a disability	300,200	25,600	325,800
<i>Average number of disabilities per person</i>	2.5	3.3	2.6

Accommodation by difficulty level and by age

- 63% of persons with a disability in Nursing homes were unable to do everyday activities compared with 21% in private households
- 62% of persons with a disability in Nursing homes were aged 75 & over compared with 19% in private households

Census Disability Sample

Disability type	Just a little	A moderate level	A lot of difficulty	Cannot do at all	Total	Persons
Private households	2	33	44	21	100	300,200
Nursing home, hospital and children's home	2	12	23	63	100	25,600

Disability type	0-64	65-74	75 & over	Total	Persons
Private households	67	14	19	100	300,200
Nursing home, hospital and children's home	26	12	62	100	25,600

People with a single disability

- 26% of persons with a disability in the CDS had only one disability, Pain comprised (4%) and Breathing (3%) of this group
- 42% of persons with a disability in the combined sample had only one disability, Pain (9%) and Breathing (7%) comprised almost 40% of those persons
- 29% of persons with an Intellectual & learning disability in combined sample had no other

Persons with only one disability

Disability type	Census Disability sample		Total population	
	% of disability type with only this disability	% of all persons with a disability with only this disability	% of disability type with only this disability	% of all persons with a disability with only this disability
Seeing	10	2	25	4
Hearing	17	3	20	3
Speech	3	0	18	1
Mobility & dexterity	9	5	13	6
Remembering & concentrating	4	1	8	2
Intellectual & learning	18	4	29	5
Emotional, psychological & mental health	13	4	19	5
Pain	8	4	19	9
Breathing	11	3	30	7

Conclusions



- Level of difficulty scale, range of explicit disabilities and survey methodology can all combine to greatly affect prevalence rates
- 33% of persons with a disability in the Census Disability Sample had a moderate or lower level of difficulty
- 47% of persons with a disability in the combined sample had a moderate or lower level of difficulty

Conclusions

- 26% of persons in the CDS had only one disability, this proportion rose to 42% when the GPS was included
- In a Census question that has Yes/No response options, respondents should be instructed to include a moderate level of difficulty as a disability
- A short question set is more likely to miss out³⁰