

Disabilities: Census Vs. Administrative Sources

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Subjects

- Study Goals
- Comparison of 2008 Population Census with Administrative Sources
- Age patterns

Study Goals

- Determine target groups for the 2012 CBS Disability Survey
 - Find and examine the population who was defined as disabled in the Census and in Administrative sources
 - Census definition and limitation
 - Administrative sources definition and limitation
 - Harmonization and discrepancies between self report and eligibility

Data sources

- **2008 Population Census-** Four questions based on the WG short set of questions for censuses + Persons registered as having heavy vision disabilities
- **NII-** National Insurance Institute: Data on persons who receive handicap allowance, including of the amount of the grant
- **MOSA1-** Ministry of Social affairs and Social services- persons registered in municipal social services ; Including needs as defined by the social services
- **MOSA2-** Ministry of Social affairs and Social services- persons placed in institutions or receiving community services supplied or financed by the ministry
- **MOD-** Ministry of Defense- Recipients of handicap allowances, severity percents

Methodology

Sumq- A continuous variable was computed based on the responses to the questions about disability in the census: response of “no difficulty” got a value of 0, response of “some difficulty” got a value of 0.1, response of “a lot of difficulty” got a value of 3 and response of “cannot at all” got a value of 20. This variable got a range from 0 to 100.

Disability: 2008 Census Vs. Administrative Sources (percents)

CBS	NII	MOSA1– persons registered in municipal social services who’s neediness was defined as:						MOSA2 – persons in institutions and persons placed in community services for:					Ministry of defense
		Disability or health problem	Nursing care	Health problems (excluding general disability and autism)	Handicap	Mental illness	mental challenged	mental challenged	old age	the blind	handicap	Autism	Recipients of handicap allowances
No difficulty at all													
At least one some difficulty													
At least one a lot of difficulty													
At least one can not at all													
Total													

Age 0-18

CBS	NII	MOSA1 – persons registered in municipal social services who's neediness was defined as:						MOSA2 – persons in institutions and persons placed in community services for:					Ministry of defense
		Disability or health problem	Nursing care	Health problems (excluding general disability and autism)	Handicap	Mental illness	mental challenged	mental challenged	old age	the blind	handicap	Autism	Recipients of handicap allowances
No difficulty at all			---						---				---
At least one some difficulty			---						---				---
At least one a lot of difficulty			---						---				---
At least one can not at all			---						---				---
Total			---						---				---



Age 19-64

CBS	NII	MOSA1 – persons registered in municipal social services who's neediness was defined as:						MOSA2 – persons in institutions and persons placed in community services for:					Ministry of defense
		Disability or health problem	Nursing care	Health problems (excluding general disability and autism)	Handicap	Mental illness	mental challenged	mental challenged	old age	the blind	handicap	Autism	Recipients of handicap allowances
Census	Recipients of handicap allowances												
No difficulty at all													
At least one some difficulty													
At least one a lot of difficulty													
At least one can not at all													
Total													

Minors who's parents receiving handicap allowance from NII

Severity of disability:	Number	Percentage
No difficulty at all	12,576	97.54%
At least one domain with Some difficulty	188	1.46%
At least one domain with a lot of difficulty	99	0.77%
At least one domain with cannot at all	30	0.23%
total	12,893	100%



Age 65+

CBS	NII	MOSA1 – persons registered in municipal social services who's neediness was defined as:						MOSA2 – persons in institutions and persons placed in community services for:					Ministry of defense
		Disability or health problem	Nursing care	Health problems (excluding general disability and autism)	Handicap	Mental illness	mental challenged	mental challenged	old age	the blind	handicap	Autism	Recipients of handicap allowances
No difficulty at all											---	---	
At least one some difficulty												---	
At least one a lot of difficulty												---	
At least one can not at all												---	
Total													

Average annual handicap allowance* (NIS) 2008

Severity of difficulty responded in 2008 Census	Percentage of Persons	NIS**
No difficulty at all	48.5%	
At least one domain with Some difficulty	19.8%	
At least one domain with a lot of difficulty	23.0%	
At least one domain with cannot at all	8.7%	
Total	100%	30,743

* The sum of allowance is related to average earning of the handicapped

** NIS – New Israeli Shekel

Average percentage of handicap (MOD)

Severity of difficulty responded in 2008 Census	Percentage of Persons	Percentage of handicap
No difficulties at all	62.7%	13.3%
At least one domain with Some difficulty	23.5%	18.4%
At least one domain with a lot of difficulty	12.0%	25.9%
At least one domain with cannot at all	1.8%	54.8%
Total	100%	16.7%

Persons receiving allowances (NII)

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	80.8%	12.2%	5.7%	1.3%	100%
Vision	97.6%	-----			100%
“Cognition”	71.9%	16.3%	9.3%	.5%	100%
ADL	78.0%				100%
Mobility	62.0%			.	100%
Total	48.5%			8.7%	100%

* Extended from administrative sources; includes persons with severe vision impairments and blind persons

Persons registered in municipal social services who's neediness was defined as a disability or health problem

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	66.0%	20.0%	12.2%	1.8%	100%
Vision	95.8%	-----			100%
“Cognition”	60.0%	23.2%	13.0%	.8%	100%
ADL	62.1%				100%
Mobility	47.3%			.8	100%
Total	36.5%			14.1%	100%

Persons registered in municipal social services who's neediness was defined as nursing care

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	42.9%	31.8%	23.2%	2.1%	100%
Vision	96.2%	-----			100%
“Cognition”	38.6%	33.3%	21.8%	.3%	100%
ADL	28.4%				100%
Mobility	14.4%			.	100%
Total	10.0%			24.9%	100%

Persons registered in municipal social services who's neediness was defined as health problem (excluding general disability and autism)

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	61.1%	23.0%	14.5%	1.4%	100%
Vision	97.2%	-----			100%
“Cognition”	57.4%	25.7%	13.5%	.4%	100%
ADL	57.2%				100%
Mobility	39.4%			.5	100%
Total	31.9%			13.4%	100%

Persons registered in municipal social services who's neediness was defined as handicap

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	73.1%	13.9%	9.1%	3.9%	100%
Vision	87.9%	-----			100%
“Cognition”	68.9%	17.6%	10.3%	%	100%
ADL	70.0%				100%
Mobility	57.5%			.5	100%
Total	41.4%			19.9%	100%

Persons registered in municipal social services who's neediness was defined as mental illness

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	82.3%	11.9%	5.2%	0.6%	100%
Vision	99.2%	-----			100%
“Cognition”	64.9%	21.6%	11.6%	.9%	100%
ADL	80.9%				100%
Mobility	67.8%			.6	100%
Total	52.6%			5.0%	100%

Persons registered in municipal social services who's neediness was defined as mental challenged

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	79.9%	10.8%	6.4%	2.9%	100%
Vision	98.1%	-----			100%
“Cognition”	45.2%	17.4%	23.1%	%	100%
ADL	54.9%				100%
Mobility	63.4%			.6	100%
Total	42.9%			20.7%	100%

Persons in institutions and persons placed in community services for mental challenged

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	75.9%	12.2%	8.5%	3.4%	100%
Vision	97.7%	-----			100%
“Cognition”	20.0%	21.7%	34.6%	.7%	100%
ADL	29.1%				100%
Mobility	51.9%			.9	100%
Total	27.8%			30.8%	100%

Persons in institutions and persons placed in community services for old age

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	49.3%	32.3%	17.1%	1.3%	100%
Vision	96.2%	-----			100%
“Cognition”	44.2%	35.9%	17.2%	.7%	100%
ADL	48.7%				100%
Mobility	29.1%			.4	100%
Total	19.7%			11.4%	100%

Persons in institutions and persons placed in community services for the blind

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	75.3%	14.1%	9.5%	1.1%	100%
Vision	15.7%	-----			100%
“Cognition”	71.6%	19.3%	7.4%	.7%	100%
ADL	66.5%				100%
Mobility	50.8%			.9	100%
Total	8.6%			64.7%	100%

Persons in institutions and persons placed in community services for handicap

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	77.8%	9.7%	6.7%	5.6%	100%
Vision	95.6%	-----			100%
“Cognition”	59.5%	23.2%	14.9%	.4%	100%
ADL	66.6%				100%
Mobility	60.4%			.8	100%
Total	45.7%			17.7%	100%

Persons in institutions and persons placed in community services for autism

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	94.3%	-----	3.4%	2.3%	100%
Vision	100%	-----	-----	-----	100%
“Cognition”	41.8%	25.5%	21.8%	.9%	100%
ADL	58.2%				100%
Mobility	90.9%			-----	100%
Total	79.5%			4.7%	100%

Persons receiving disability allowance (MOD)

Disability domains responded in 2008 census	Disability severity				Total
	No difficulty at all	Some difficulty	A lot of difficulty	Not able at all	
Hearing	74.2%	9	67	0 2	100%
Vision	99.6%	-----	0 2	0 2	100%
“Cognition”	88.1%	9.0%	2.6%	0.3%	100%
ADL	94.8%	2 9	1 4	0 9	100%
Mobility	82.7%	10 1	6 0	1.2%	100%
Total	62.7%	23 5	12 0	1.8%	100%

Disability of hearing: 2008 Census Vs. Eligible to receive communication aids (deaf persons) - rows percentages

Difficulty Hearing in Census	Not eligible	Eligible	Total
No difficulty at all*	99.8%	0.2%	100%
Some difficulty	99.0%	1.0%	100%
A lot of difficulty	97.3%	2.7%	100%
Can not at all	72.7%	27.3%	100%
Total	99.5%	0.5%	100%

* With hearing aid

* With hearing aid

Disability of hearing: 2008 Census Vs. Eligible to receive communication aids (deaf persons) - columns percentages

Difficulty Hearing in Census	Not eligible	Eligible	Total
No difficulty at all	86.0%	25.1%	85.6%
Some difficulty	8.8%	16.5%	8.9%
A lot of difficulty	4.7%	24.0%	4.8%
Can not at all	0.5%	34.4%	0.7%
Total	100%	100%	100%

Conclusions (1)

- Nursing care and health problems are relatively well covered by the census questions
- Mental illness and handicap are under covered
- Severe disability are covered relatively well

Conclusions (2)

- Under coverage at the younger age group (0-18)
- Good coverage at the older age group (65+) (almost in all the disability domains)

Conclusions (3)

- The domain with the highest minor severity frequency is cognition.
- The domain with the intermediate severity frequency is mobility.
- The domain with the high severity frequency is ADL (self-care).

THANK YOU