

Family Welfare Cultures

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presented by
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What Is It All About?

- ▶ **definition of 'family welfare culture':**
receipt of welfare benefits in one generation *causes* increased probability of welfare participation in next generation
- ▶ analyze whether family welfare culture exists for Disability Insurance (DI) in Norway
- ▶ use exogenous variation in probability of parental DI receipt from random assignment of judges to DI applications

Outline

Introduction

Empirical Strategy

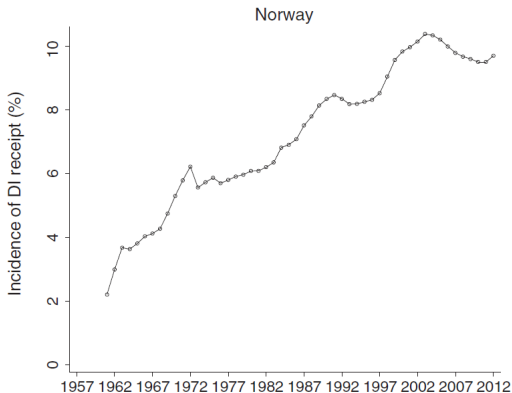
Results and Interpretation

Conclusion

Introduction

Motivation

- ▶ DI is one of the largest transfer programs in most industrialized countries
- ▶ steady increase in share of recipients



Motivation

- ▶ evidence for intergenerational correlation in welfare participation (Black and Devereux, 2011; Bratberg, Nilsen and Vaage, 2015)
- ▶ two explanations:
 1. intergenerational correlation of determinants for DI (Lee and Solon, 2009; Oreopoulos, Page and Stevens, 2006)
 - ▶ health status due to shared genes
 - ▶ income potential (education, occupation)
 2. family welfare culture

Main Goal

► **answer two research questions:**

1. Does family welfare culture exist?
2. How important is family welfare culture?

What is DI?

- ▶ welfare benefits for workers
 1. below retirement age
 2. who are unable to earn a living on their own
 3. because of a lasting medical condition
 4. after prior employment
- ▶ provides partial earnings replacement based on recipient's earnings history

Application Process

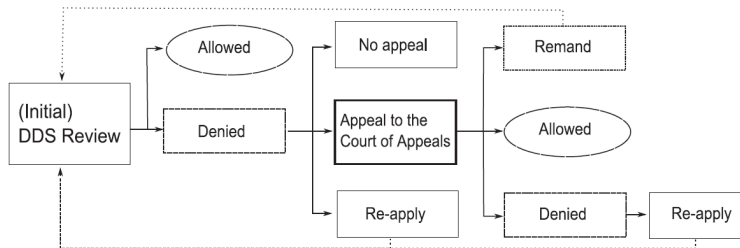


FIGURE I
DI Application and Appeals Process

Empirical Strategy

First Thoughts

- ▶ individual i has a latent demand/qualification Q_i for DI:

$$Q_i = \alpha + \beta A_i + \delta x_i + \epsilon_i$$

- ▶ i gets DI if $Q_i > 0$
- ▶ A_i determined by same equation for parent:

$$A_i = \mathbb{1}_{\{Q_{i,parent} > 0\}}$$

- ▶ work capacity and health status of i are in parts private information of i
- ▶ econometric challenges:
 - ▶ evaluation problem
 - ▶ selection problem if unobservables are correlated across generations

Baseline Sample

- ▶ social security registers: data on adult children of parents who appeal an initially denied DI claim between 1989 and 2005
- ▶ administrative data: 79 DI appeal judges with an average of 380 cases
- ▶ final sample has 14722 parent-child observations

Identification Strategy

- ▶ appeal cases are assigned to judges at random
- ▶ judges differ systematically in share of cases they allow/reject
- ▶ for each observation i , construct measure of judge leniency z_i :
average allowance rate in all other cases the assigned judge has handled
- ▶ use z_i as an instrument for parental DI receipt

Identification Strategy

- ▶ empirical model (2SLS):

$$A_i = \alpha + \gamma z_i + \theta x_i + v_i$$

$$P_i = \mu + \beta A_i + \lambda x_i + u_i$$

- ▶ allow for heterogeneity in treatment effects
- ▶ necessary assumptions for identification:
 - ▶ first stage
 - ▶ exclusion
 - ▶ random assignment
 - ▶ monotonicity

Results and Interpretation

Results

ESTIMATES OF INTERGENERATIONAL WELFARE TRANSMISSION

		Child on DI 5 years after parent's appeal decision		Child ever on DI after parent's appeal decision	
	First stage	Reduced form	IV	Reduced form	IV
Panel A: No additional controls					
Parent's judge leniency	0.909*** (0.112)	0.055*** (0.020)		0.107*** (0.030)	
Parent allowed DI			0.061*** (0.022)		0.118*** (0.033)
Panel B: With additional controls					
Parent's judge leniency	0.869*** (0.108)	0.052** (0.020)		0.101*** (0.027)	
Parent allowed DI			0.060*** (0.023)		0.116*** (0.032)
Dependent mean	0.12	0.03		0.08	

Interpretation of Results

- ▶ granting a parent DI at appeal stage increases child's probability of DI receipt over next five years by 6 percentage points
- ▶ LATE: average effect for complier children
- ▶ no external validity for whole population because
 - ▶ applicants and appellants differ in observables
 - ▶ latent demand of children of appeal stage parents probably higher than that of inframarginal parents

Policy Relevance of Results

- ▶ results relevant for reforms which only affect the margin of program entry
- ▶ e.g., make judges less likely to allow an appeal (shifting judge leniency downward)
- ▶ likely true for policy reforms aimed at limiting increase in DI participation

Limitations

- ▶ 75% of denied appellants reapply eventually (and 65% of these ultimately get DI)
- ▶ long-run results are then LATE of parent being awarded DI *in first appeal*

Conclusion

Recapitulation

- ▶ family welfare culture as causal effect of welfare receipt of one generation on welfare participation of next generation
- ▶ use judge leniency in parental appeal decision as IV to study this for DI in Norway
- ▶ find significant family welfare culture effect for children of marginal applicants

Policy Implications

- ▶ in general:
 - ▶ policy makers should be aware that welfare reforms don't only affect current generation
 - ▶ original effects can be reinforced by changing future generations' behavior as well
- ▶ for DI in Norway:
 - ▶ quantifies average effect for reforms that work on the margin of program entry

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Appendix

The Rest of the Paper

- ▶ effect on other child outcomes like education and employment
- ▶ look for similar spillover effects for siblings, spouses or neighbors being awarded DI
- ▶ analyze whether results depend on living arrangement and age of child
- ▶ explore underlying mechanisms:
 - ▶ change in child's belief about likelihood of success in marginal cases?
 - ▶ reduction of stigma?

Other Uses of the Instrument

- ▶ labor supply effects of welfare receipt:
 - ▶ Maestas, Mullen and Strand (2013)
 - ▶ French and Song (2014)
- ▶ effects of incarceration:
 - ▶ Kling (2006)
 - ▶ Bhuller et al. (2016)
- ▶ effects of foster care:
 - ▶ Doyle (2007, 2008)
- ▶ effects of consumer bankruptcy protection:
 - ▶ Dobbie and Song (2015)

Policy Simulation

Figure C.1: The Effect of Tightening the Screening Process on Parents and Their Children.

