

## Is there a reversal of the childlessness trend among highly educated women in Germany?

# Has the educational gradient been overestimated?

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#### Trends of childlessness by educational groups

- → Long-lasting educational differences of childlessness future?
- → Effects of Germany's paradigm change in family policy?
- ➔ Different processes by migration background and region

#### **Theoretical approaches on childlessness**

Labour market: Opportunity costs, late entry, insecure jobs Culture: SDT, childless lifestyle spreading to lower educational groups Partner market, parental resources Family policy and gender institutions Progress in ART



### **Data problems in Germany before Micro Census Reform**

- No reliable data on parities and childlessness until 2006
- Overestimation in several publications before
- Myth "40 % childlessness of highly educated" in German media

## Data used

- Micro Census 2012
- information on children in the household, Micro Census 2002-2014

## **Research design**

- 1. Extrapolation of childlessness for the cohorts 1966-1978 by educational groups
- 2. Trends for educational groups differentiated by region, urbanisation level and migration background
- 3. Effect of the education variable on R<sup>2</sup> in logistic regressions



#### Childlessness of highly educated women in Germany



Source: Micro Census 2012, straightened by 5 years average.



Postponement and recuperation patterns: Age specific first birth of highly educated women in Germany



Source: Micro Census 2002-2014, own calculations. Note: The lines are straitened based on the three year average. Note: Data before age 30 has a bias because of late entries in this educational group.



#### Trends of age specific first birth: highly educated women



Source: Micro Census 2002-2014, own calculations. Note: The lines are straitened based on the three year average.

Extrapolation of the proportion of permanent childlessness for the cohorts 1966-1978



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Source: Micro Census 2002-2014, own calculations. Note: The CTFR and CFR lines are straitened based on the three year average.



#### A strong educational gradient: Cohorts 1967-71



Note: 5 B = advanced vocational qualifications, i.e. *Meisterbrief*, or diploma Berufsschule in the dual system





Source: Bujard; Dorbritz; Herter-Eschweiler & Lux 2015



#### Childlessness by education





#### Childlessness by education: Western and Eastern Germany

Western Germany

**Eastern Germany** 



low education
middle education
high education



R

#### Childlessness by education and urbanisation level of residence





#### Migration background







#### Germany all

No migration background







Source: Bujard 2015, ZfF/Journal of Family Research 27, 3.



## **Summary and Discussion**

- 1. Reversal of the childlessness trend ?
- > YES.
- Peak in the cohorts end of 1960s with 28 %, end of 1970s 25 %

Discussion:

Family policy reforms reproductive medicine



- 2. Educational gradient
- EG low-medium is mainly due to a composition effect of migrants with both low education and low childlessness
- Catch up of childlessness by low and medium educated women



## Thank you for your attention ....

## and see you in Mainz!



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## **Transition to 2nd Child**

Full model	Model with interac	tion effect
1		1
2.68 **		2.69 **
3.31 **		3.31 **
1.64 *		1.63 *
1.3		1.3
1.16		1.17
1.04		1.07
0.17 **		0.19 **
0.93	control	0.69
	variables	
	not shown	
		1
		1.15
		1.1
		0.77
		1
		1.19
		1.61
		2.32 *
0.00 **		0.00 **
64561		64561
1740		1740
405		405
-1069 11		-1069 11
-838.2		-833 39
	Full model       1       2.68 **       3.31 **       1.64 *       1.3       1.16       1.04       0.17 **       0.93          0.93          0.93          0.93	Full model     Model with interact       1     2.68 **       3.31 **     1.64 *       1.3     1.16       1.04     0.17 **       0.93     control variables not shown       0.93     not shown       0.00 **     64561       1740     405       -1069.11     -838.2

Source: Bujard, M. & Passet, J. (2013): Effects of the new German parental leave benefit on income and fertility. In: Zeitschrift für Familienforschung / *Journal of Family Research 25 (2),* 212-237.



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## **ASFR 35-44 by Educational Groups**



Source: Bujard, M. & Passet, J. (2013): Effects of the new German parental leave benefit on income and fertility. In: Zeitschrift für Familienforschung / Journal of Family Research 25 (2), 212-237.