

New findings about wealth inequality in Switzerland

Avenir Suisse Think Tank Summit

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Wealth inequality in Switzerland

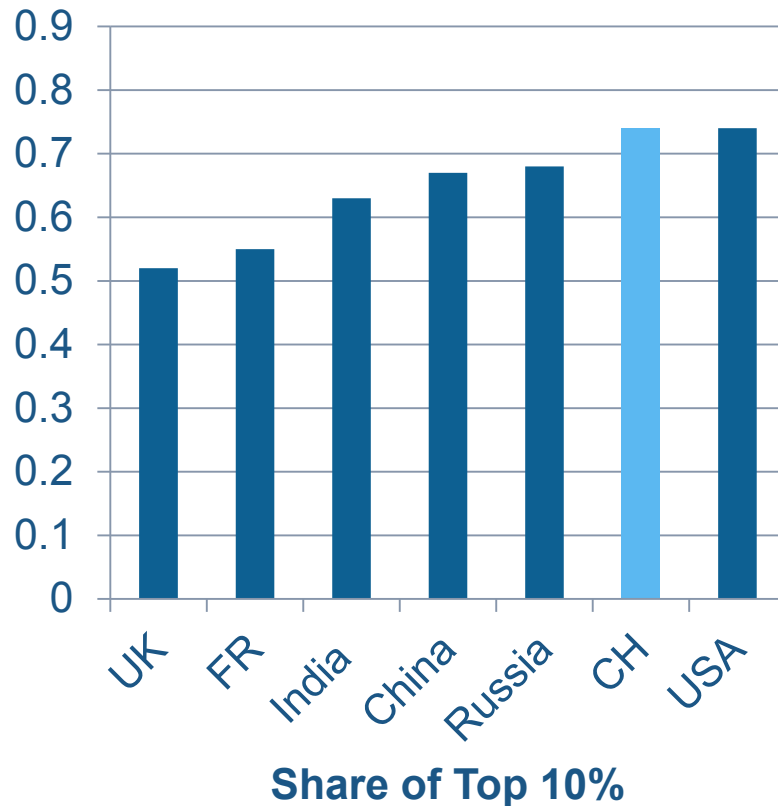


Wealth in Switzerland

- Switzerland has highest per capita wealth in the world
- Many top wealth-holders reside in Switzerland
Density of millionnaires is highest in the world (19,6% of all adults)¹
- What about wealth inequallity?
So far: Analysis of tax records

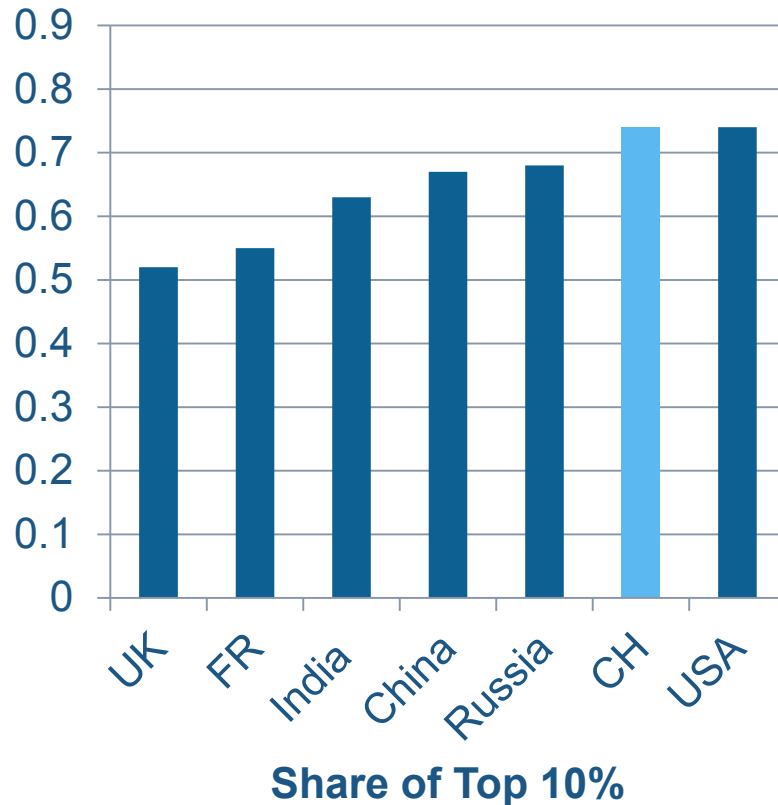
¹ Global wealth report 2018

Wealth inequality from a comparative perspective

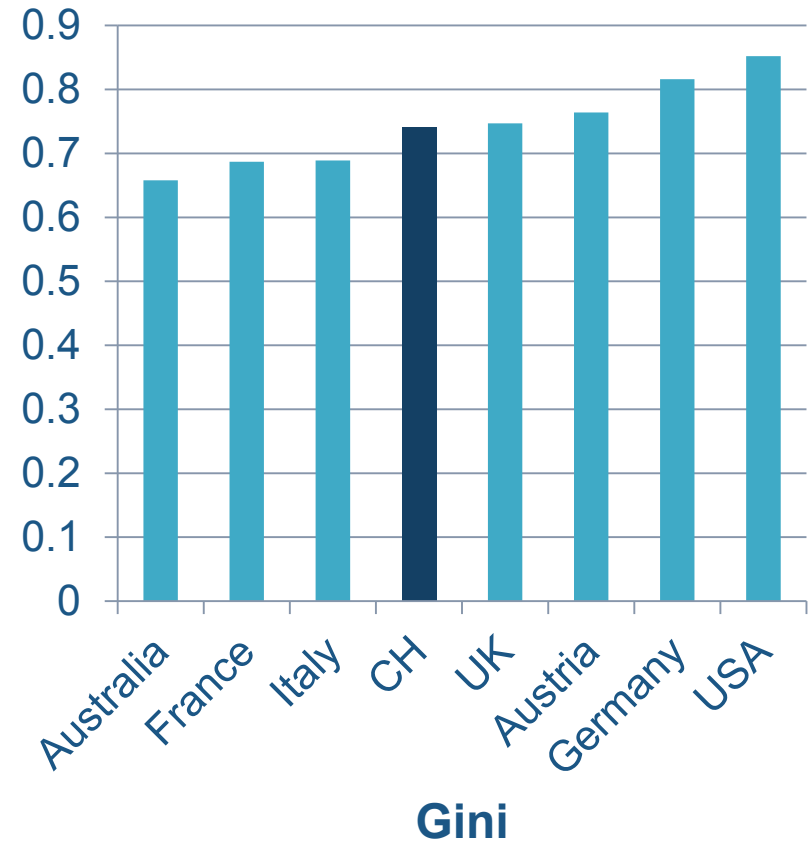


Source: wid.world, Föllmi & Martinez 2017

Wealth inequality from a comparative perspective

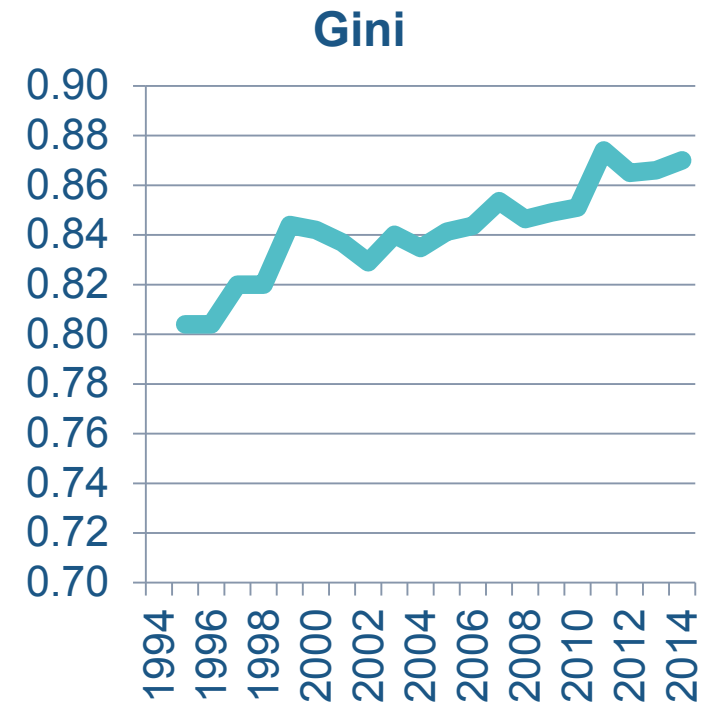
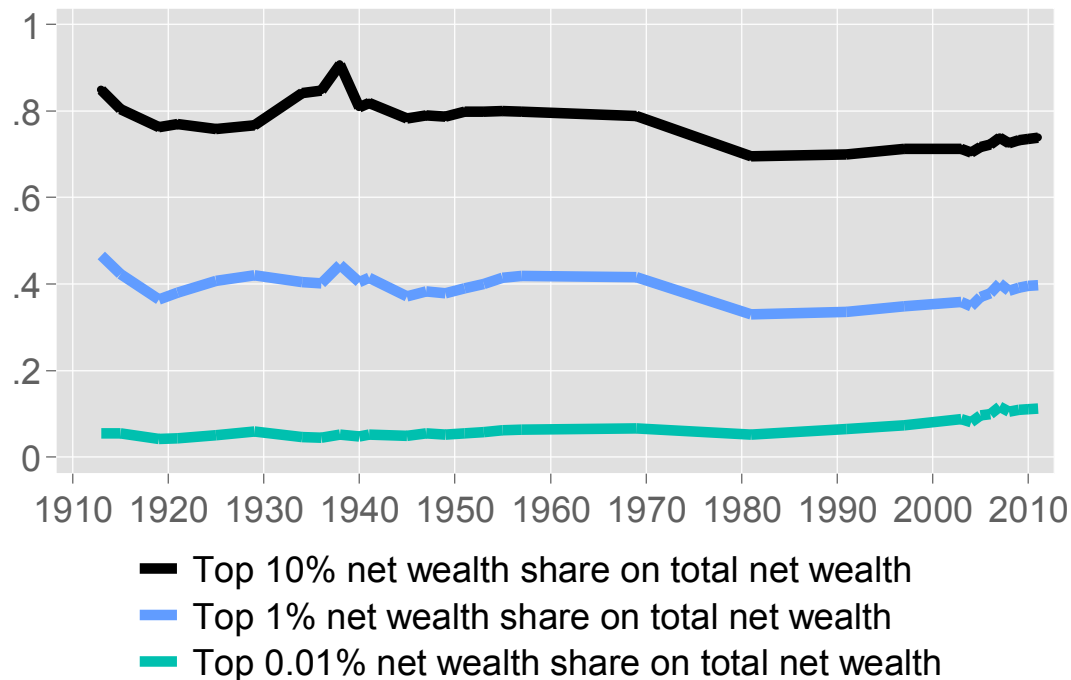


Source: wid.world, Föllmi & Martinez 2017



Source: Global wealth report 2018

Evolution of wealth inequality over time



Data sources to measure wealth inequality

Tax statistics (wealth tax)

- + Full information
- + Coverage of top wealth (but wealth inequality still underestimated)
- + Time trends
- ☹ Breaks in series
- ☹ Cantonal data or wealth brackets
- ☹ Lower part of the distribution not well covered
- ☹ Missing wealth components (3rd pillar, real estate underestimated)
- ☹ Tax units
- ☹ Lacking socio-economic and demographic information

Surveys

- + Wealth components
- + Socio-economic and demographic characteristics
- ☹ Coverage of top wealth holders
- ☹ Non-response

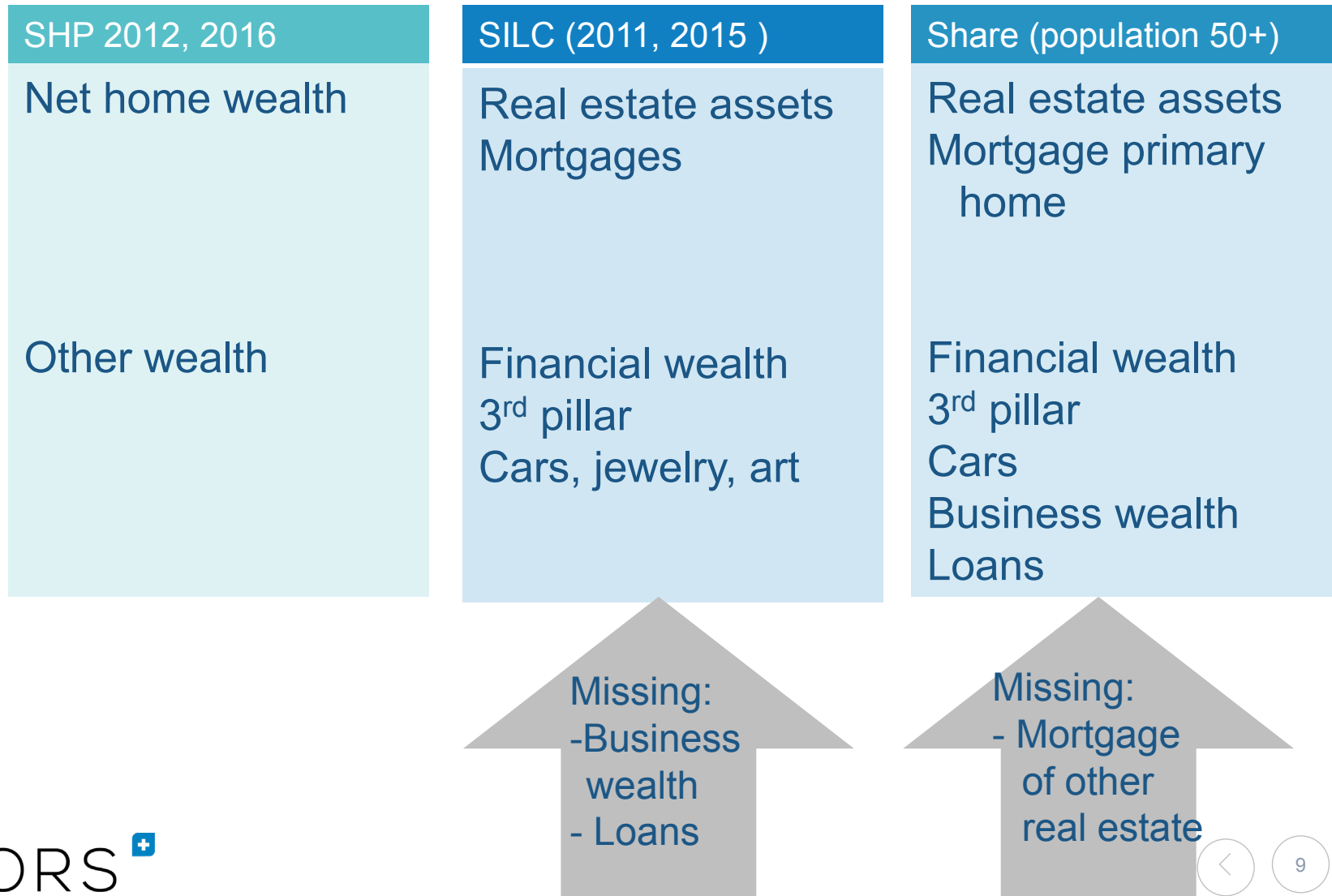
Project

“Wealth distribution in Switzerland and Germany: Evidence from Survey Data”



Comparative project Switzerland (SNF) – Germany (DFG)
Duration: 2017 – 2019

Surveys with wealth data in Switzerland



Quality of wealth data in CH-SILC

- First round 2011, evaluation by Ecoplan (2014)
- Second round in 2015, good coherence with national accounts

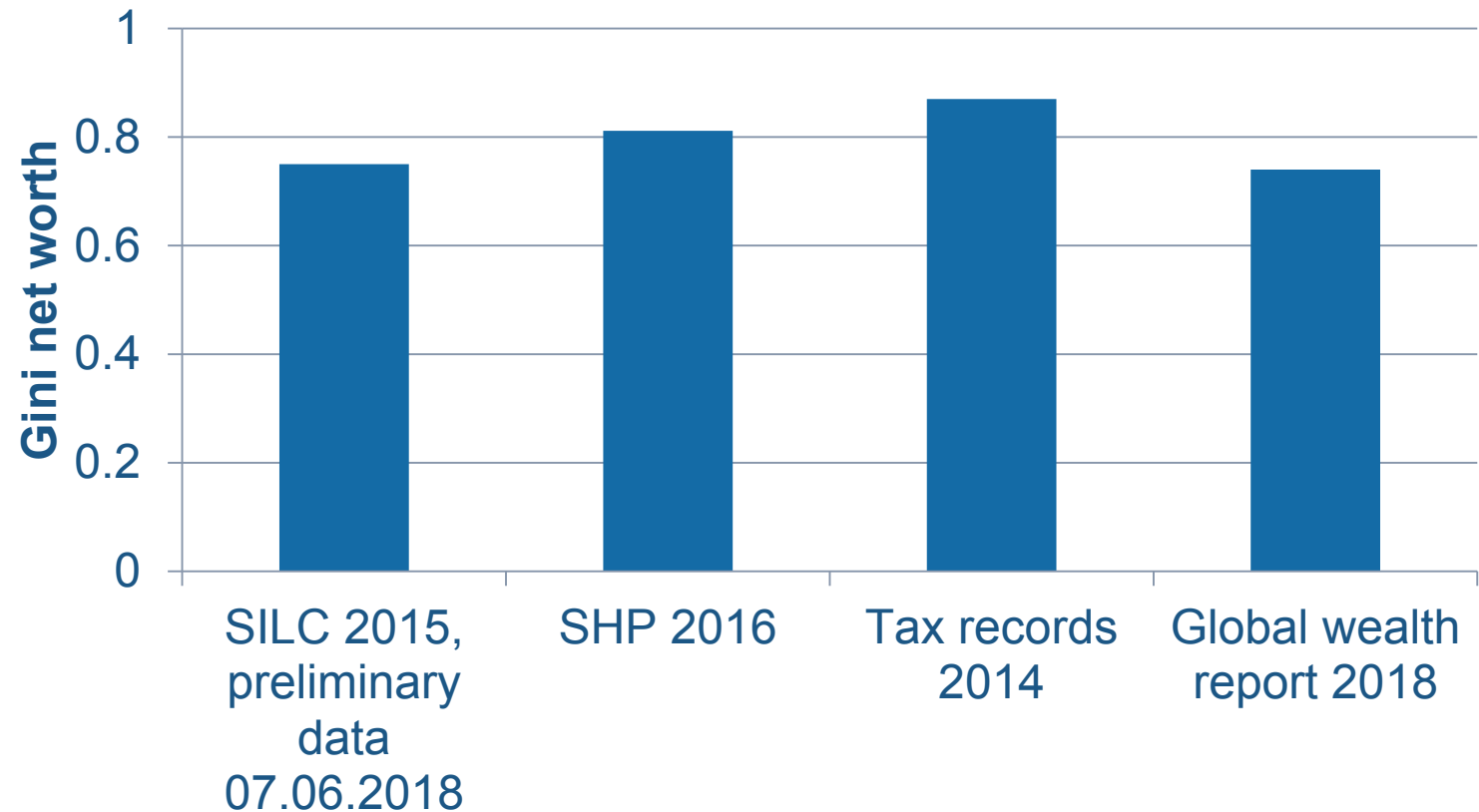
	Real estate assets	Mortgages	Net housing wealth	Financial wealth	Net worth
NA 2014	220,381	89,800	130,581	137,630	288,850
CH-SILC 2015	235,216	79,309	155,907	102,763	264,897
Ratio CH-SILC/NA	107%	88%	119%	75%	92%

Notes: Preliminary version of wealth data of 07.06.2018.

Wealth inequality using survey data

Subtitle goes here

Wealth inequality in Switzerland by data source



Why should we consider pension wealth?

- Better comparability of wealth between different groups
- Better comparability between countries
- If we ignore pension wealth, we overestimate wealth inequality
- Important role for various wealth functions

	Financial wealth	1 st pillar	2 nd pillar	3 rd pillar
Insurance	✓	(✓)	(✓)	(✓)
Income	✓	(✓)	(✓)	(✓)
Utility	✓		(✓)	(✓)
Inheritance	✓	(✓)	(✓)	✓
Social status	✓			
Power	✓			

Estimation of augmented wealth

Real estate, mortgages

Bank accounts, bonds, shares

Own business (not measured in SILC 2015)

Loans (not measured in SILC 2015)

Car, Jewellery, Art

3rd pillar

net
worth

augmented
wealth

Second pillar entitlements (occupational pension)

First pillar entitlements (social security pension)

Accrual method to estimate entitlements

- The pension benefit that individuals would receive from current scheme at retirement time
(no additional benefits between the current time and retirement)

$$PV_p = \sum_{t=0}^{T-a} pension_{t'}^p \times s_{a,t} \times \frac{1}{(1+i)^t}$$

$s_{a,t}$ probability of a person of age a in year 2015 surviving until year t ;

$T - a$ remaining maximum lifespan differentiated by sex and birth cohort

i constant discount rate ($i=2\%$) to derive present value of the benefit at retirement (PV)

Measurement of pension entitlements in Switzerland: The present value approach

First pillar retired

Pension stream from observed pension

Second pillar retired

Pension stream from observed pension
(0 for capital withdrawal)

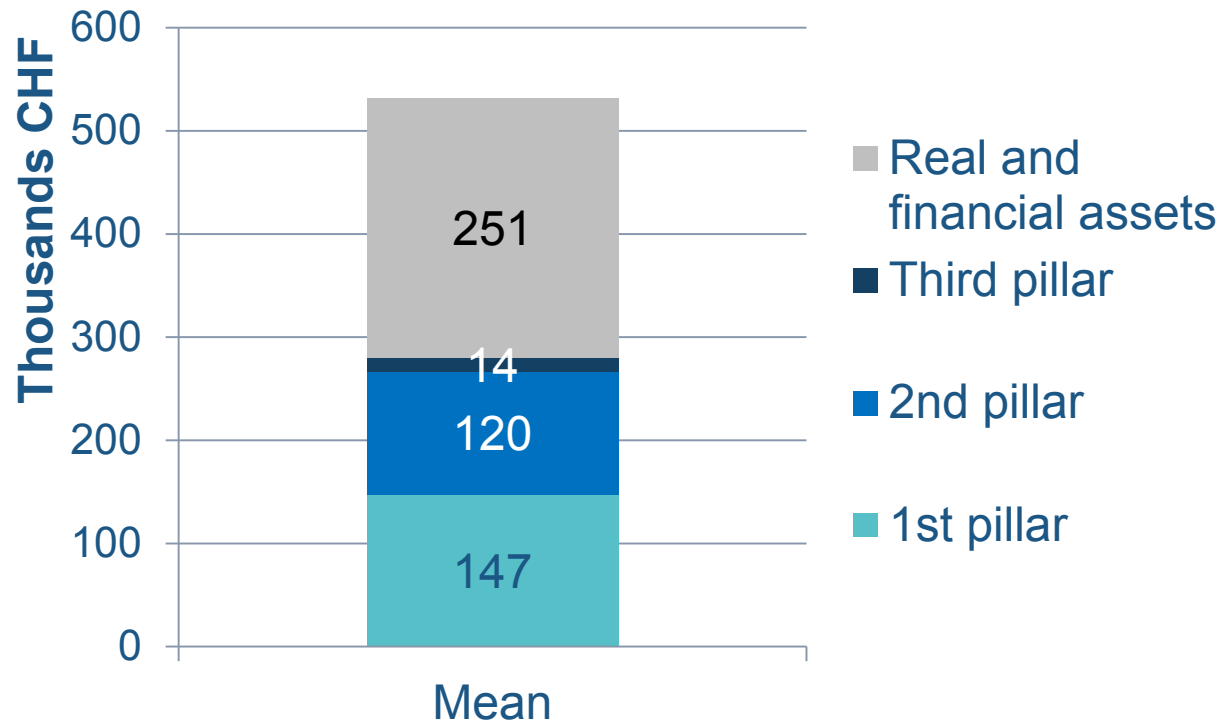
First pillar non-retired

1. Estimate pension from
 - employment income history,
 - employment income of married partner during marriage,
 - birth year of children
2. Pension stream

Second pillar non-retired

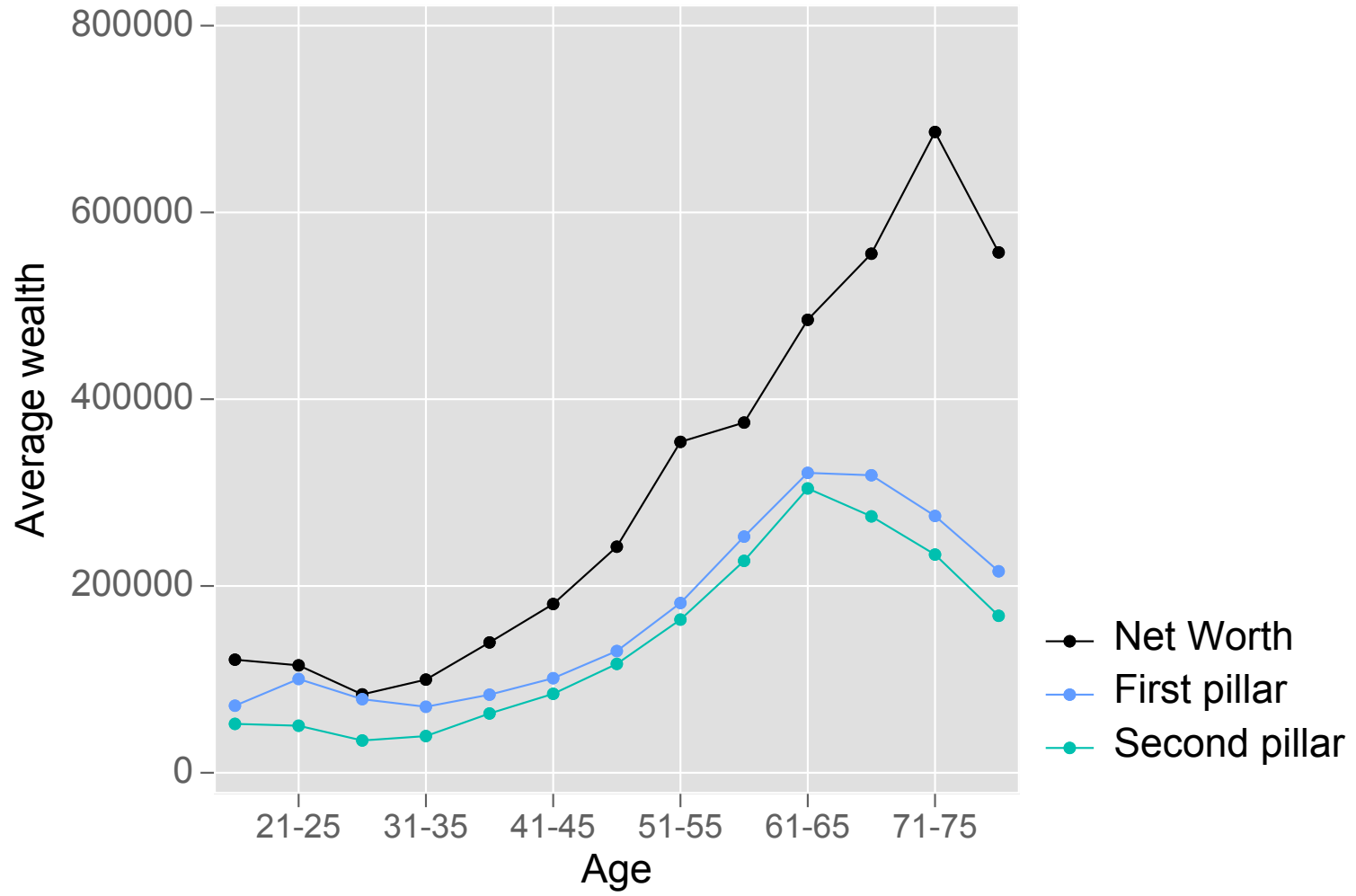
Estimate accumulated capital from employment income history

Augmented wealth

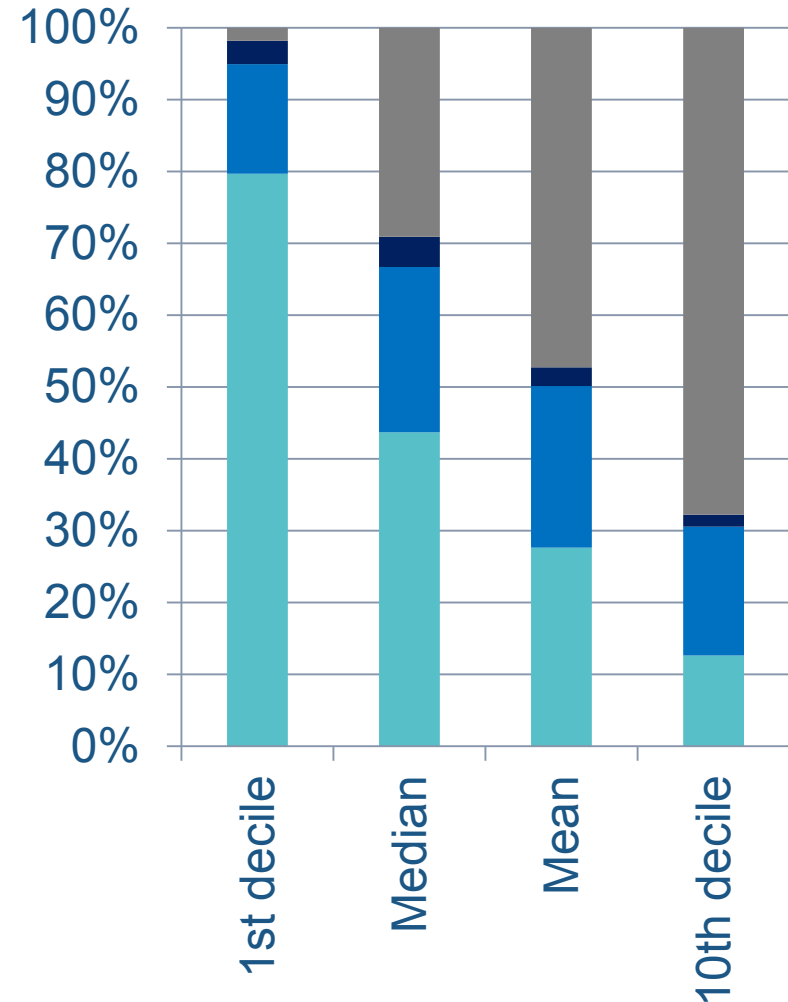
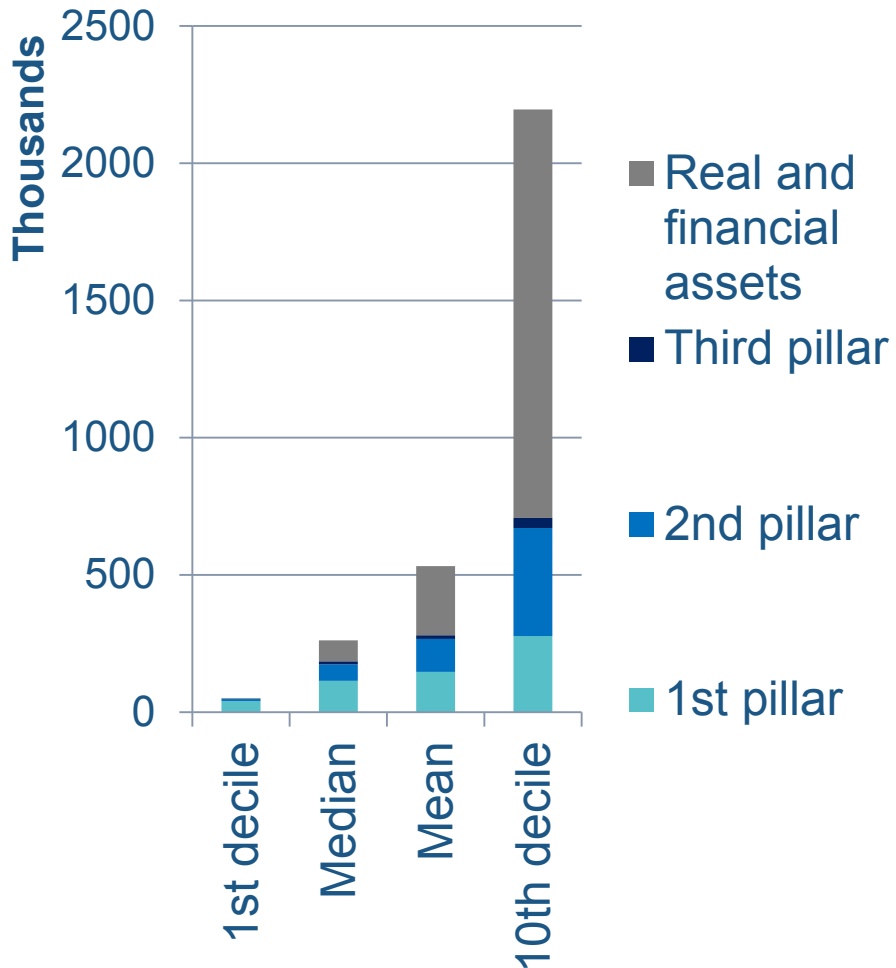


SILC 2015, Preliminary version of wealth data of 07.06.2018.

Wealth by age group



Augmented wealth: Portfolio



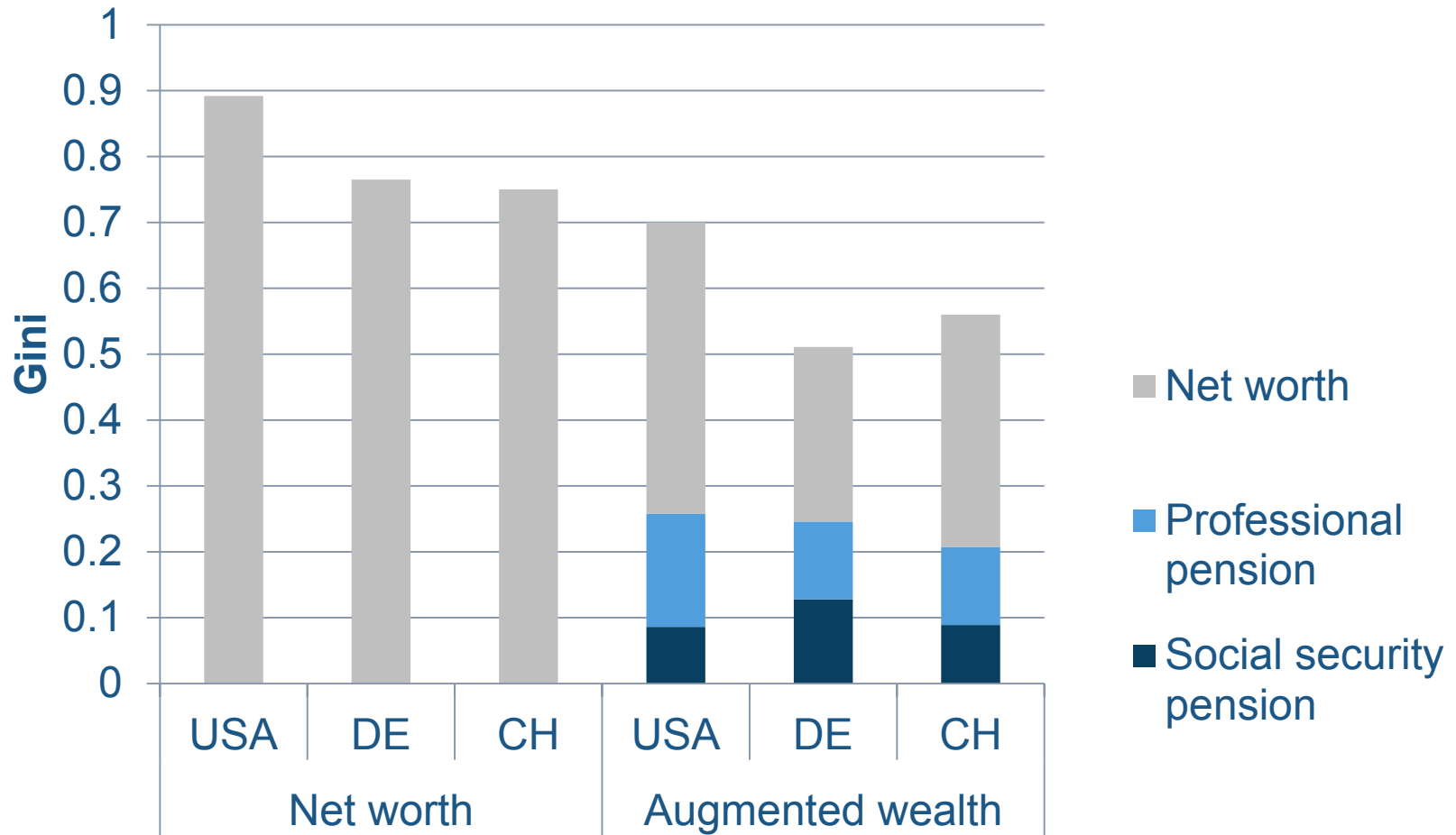
Inequality of augmented wealth

- Notes: Preliminary version of wealth data of 07.06.2018.

	Mean	% augmented wealth	Gini
Net worth	265.181	49%	.75
1 st pillar	147.054	28%	.39
2 nd pillar	119.666	23%	.61
Augmented wealth (1 st and 2 nd pillar)	528.943	100%	.56
Augmented wealth (2 nd pillar only)	381.888		.66

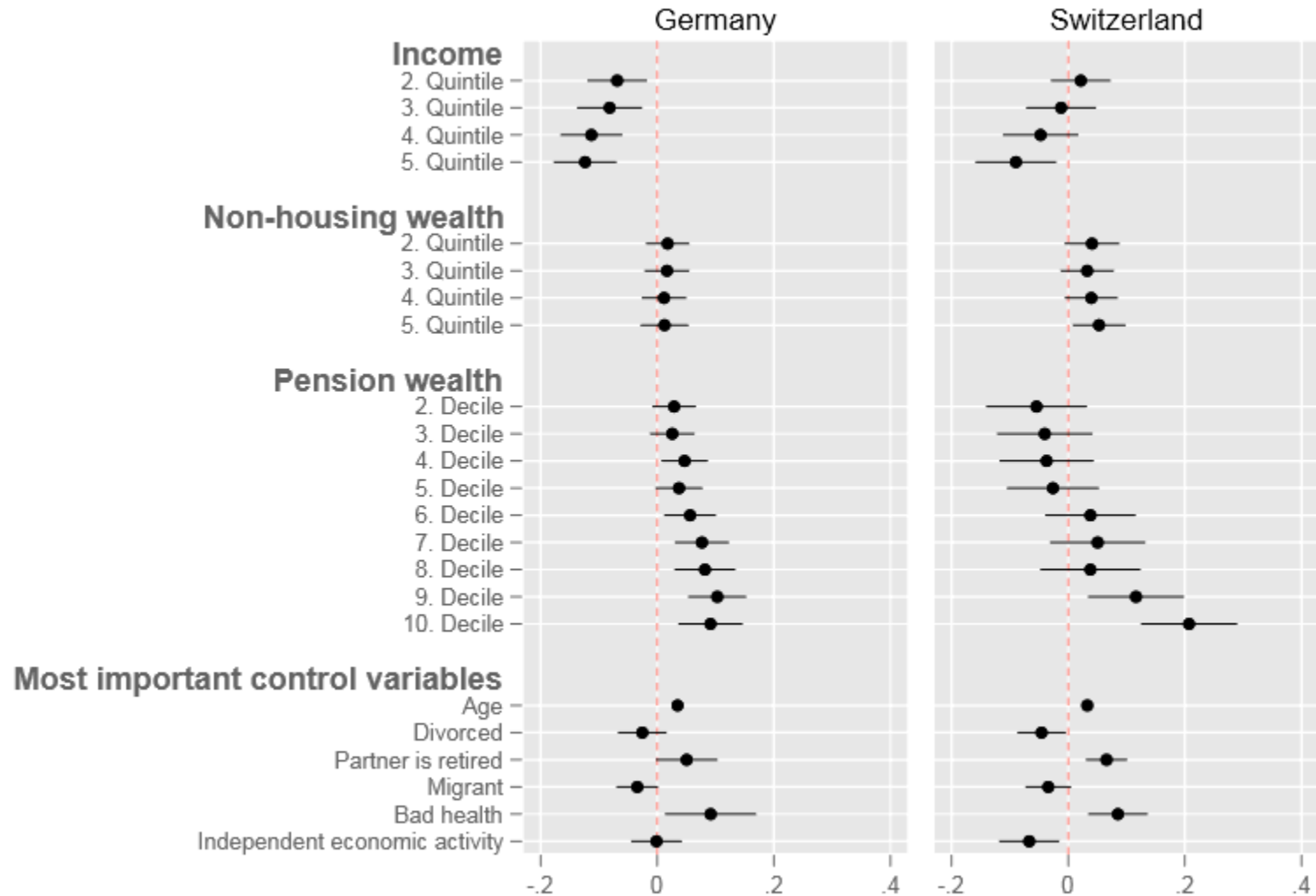
Do countries become more comparable?

Inequality decomposition



Financial resources and early retirement

Marginal effects (predicted probabilities)



Conclusions

- Survey data as complements to administrative data
(good data quality for the lower 99%)
- Wealth inequality is lower for augmented wealth than for net worth
But wealth inequality is nevertheless high (much higher than for income)
 - Large redistributive effect of the first pillar
 - Weak positive correlation between pension wealth and net worth
- Pension wealth does not explain differences between countries (wealth gap and inequality)
- Wealth inequality has important social consequences
(educational attainment, possibility of early retirement, political power)

Thank you!

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References

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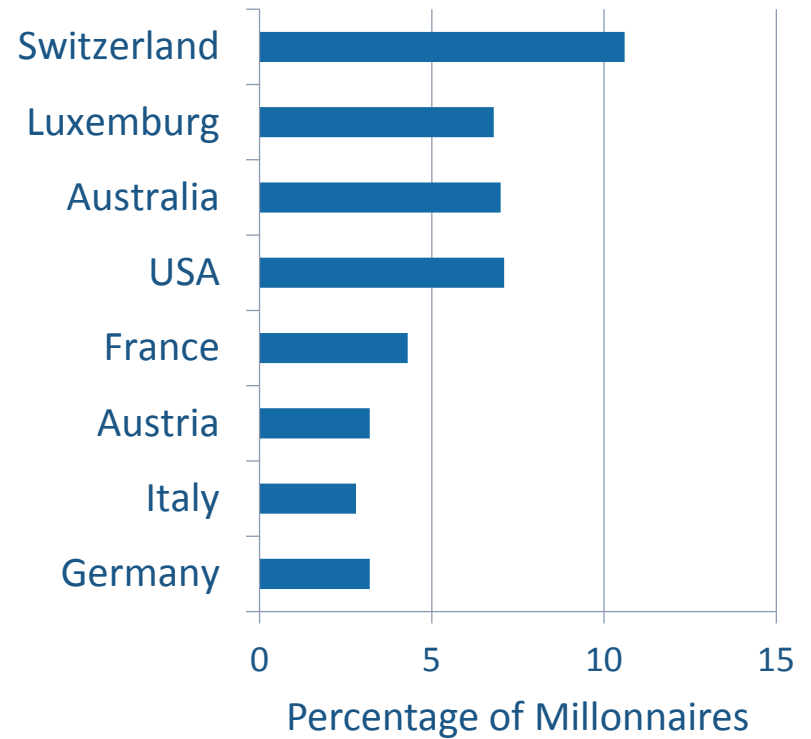
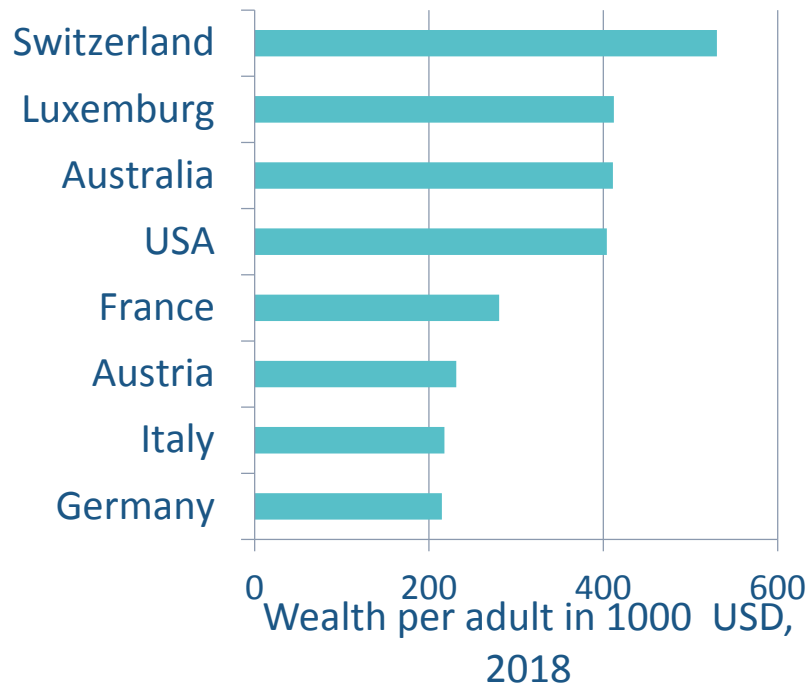
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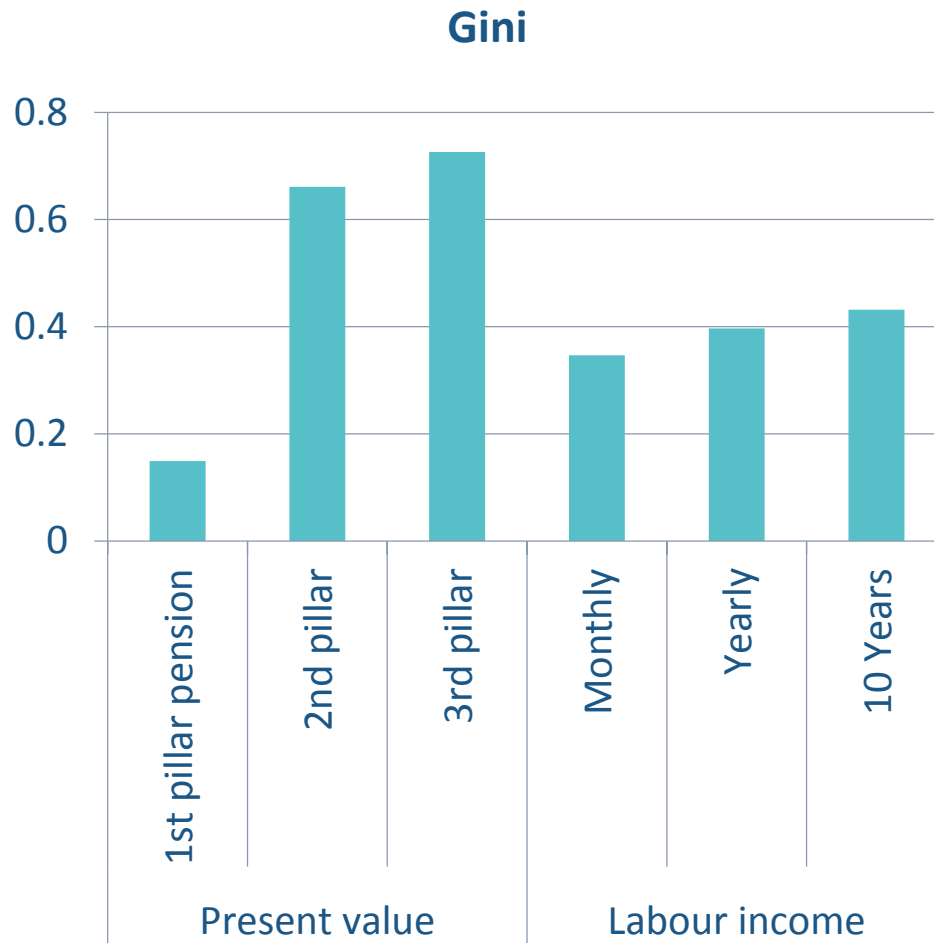
Wealth in Switzerland

- Switzerland has the highest average wealth levels
- And highest share of Millionnaires



Source: Credit Suisse wealth databook

Inequality of pension entitlements and labour income

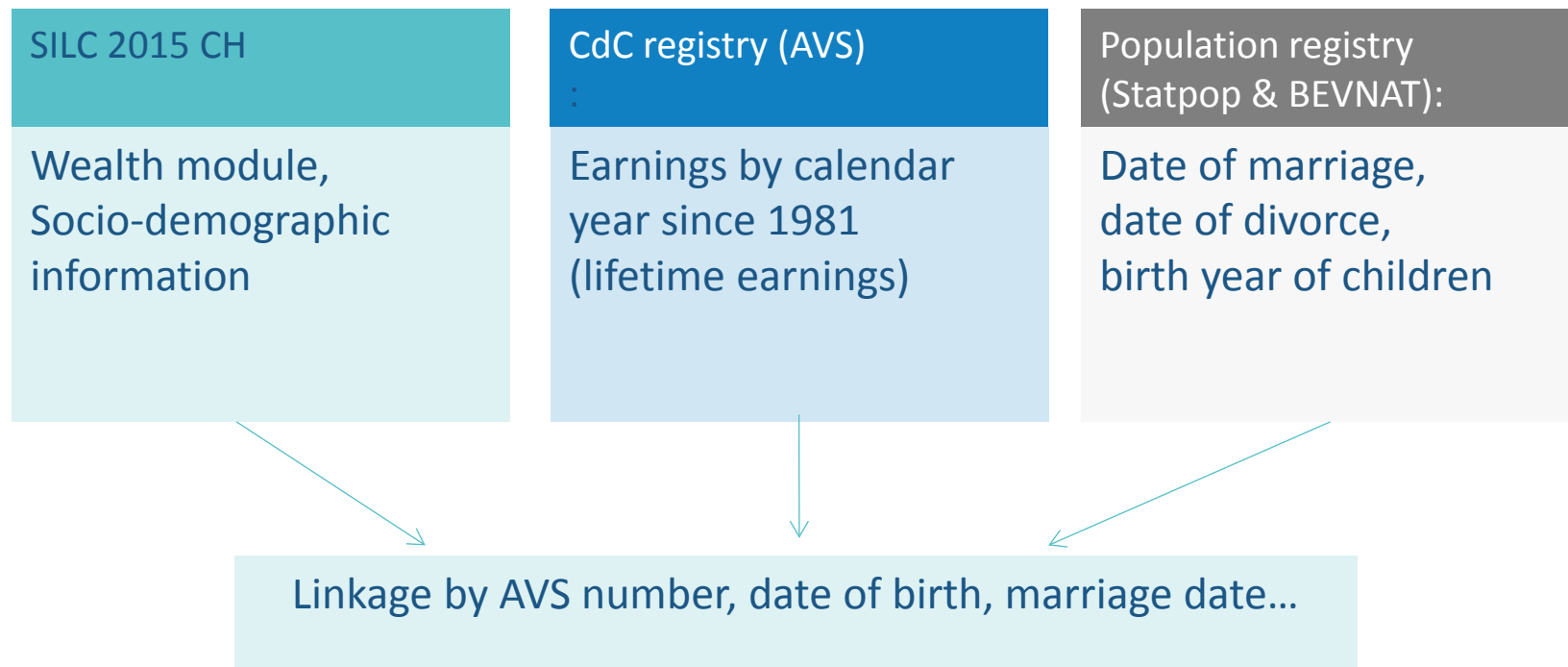


Tax records in Switzerland

Source: Swiss Federal Tax administration

Classes de fortune nette en 1'000 francs	Nombre de contribuables
0	1'289'034
0 - 50	1'589'149
50 - 100	490'868
100 - 200	518'306
200 - 500	646'857
500 - 1'000	337'568
1'000 - 2'000	166'665
2'000 - 3'000	46'778
3'000 - 5'000	32'190
5'000-10'000	19'867
10'000 et plus	13'246
T o t a l	5'150'529

Data sources used to estimate pension entitlements



In addition:

Life expectancy tables to estimate pension stream