

## Weighting of Estonian EU-SILC 2005: peculiarities due to modified rotation scheme

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### Outline

- Original rotation scheme
- Modifications in the rotation scheme
- Changes in the weighting procedure

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### Original rotation scheme (1)

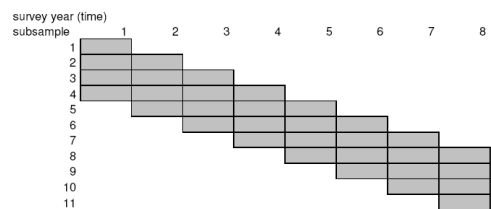
- EU-SILC was a completely new survey and we have adopted an integrated rotational design proposed by Eurostat
- In the original rotational scheme there are 4 sub-samples, each remaining in the survey for 4 years; each year one sub-sample is dropped and a new one added

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### Original rotation scheme (2)



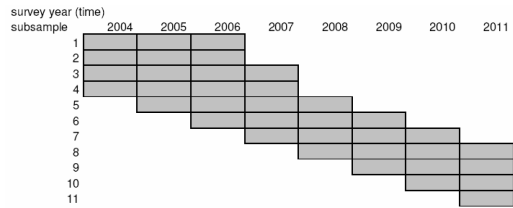
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### Modifications in the rotation scheme (1)

- 2004: 6000 hhs, randomly divided into 4 sub-samples, high non-response rates
- 2005: none of sub-samples dropped, new sub-sample of 1000 hhs, high attrition rates
- 2006: none of sub-samples dropped, new sub-sample of 2500 hhs
- 2007 and 2008: two sub-samples entered in 2004 are dropped, new sub-sample of 2500 hhs

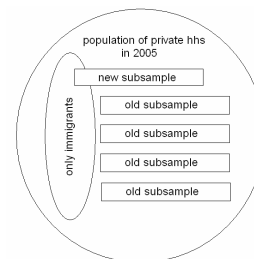
### Modifications in the rotation scheme (2)



### Changes in the weighting procedure (1)

Weighting procedure in general follows Eurostat recommendations (EU-SILC Doc 157/05) except for the calculation of household design weights from subsample household weights. The reason is that for year 2005 we have 5 sub-samples representing non-immigrant population of 2005, while original rotation scheme expected 4. Thus, sub-sample household weights of hhs not consisting only of immigrants are divided by 5, not by 4 as standard weighting procedure expected.

### Changes in the weighting procedure (2)



### Principle for further years

- Follow standard procedure while weighting each sub-sample independently
- Take into account particular number of sub-samples representing the population while combining these sub-sample weights

Thank you!