

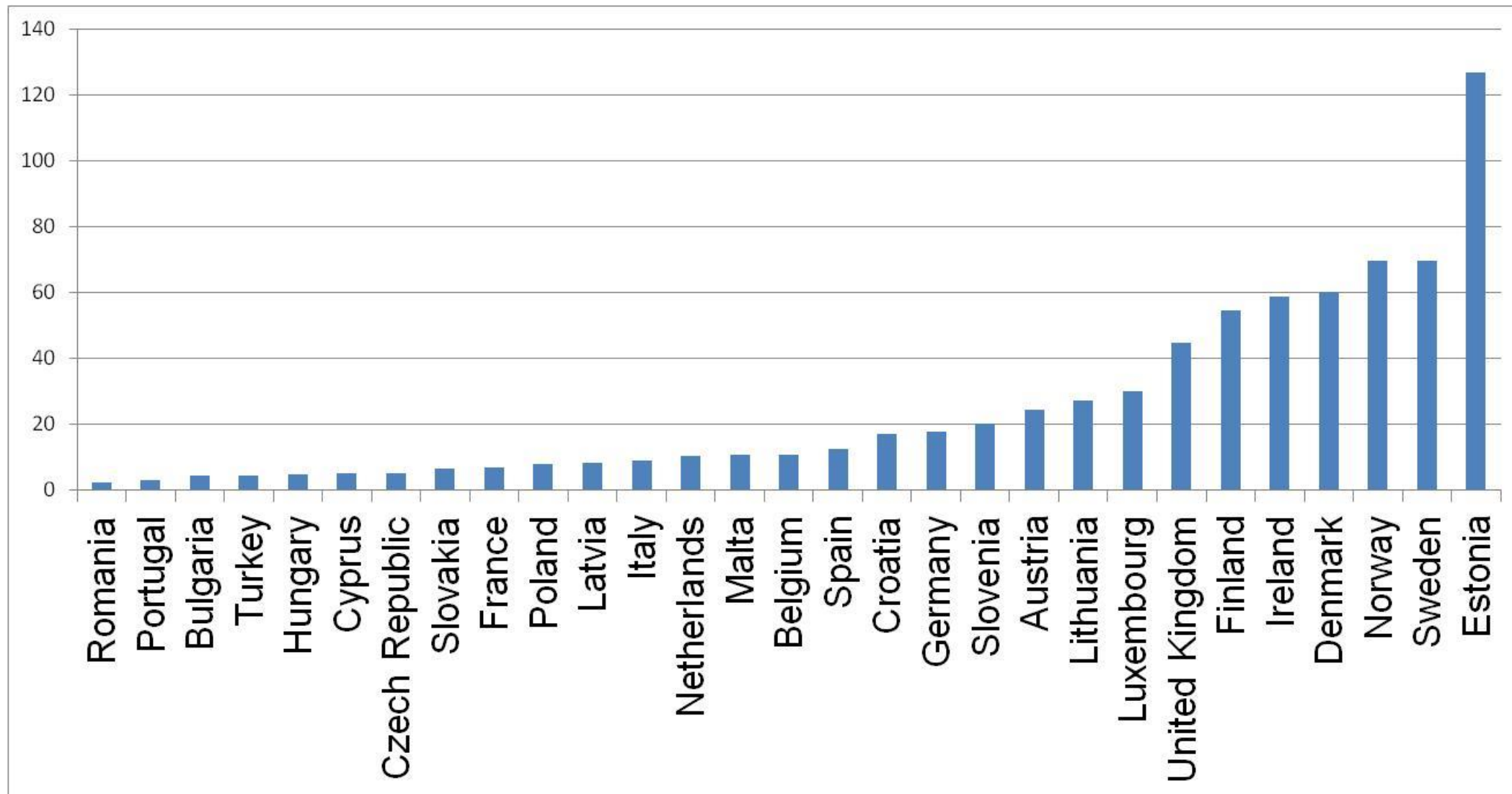


## **Naloxone scaling up - first results**

Gleb Denissov, Head of Estonian Causes of Death Registry  
EMCDDA drug-related death expert meeting  
Lisbon, 29-30 September 2016



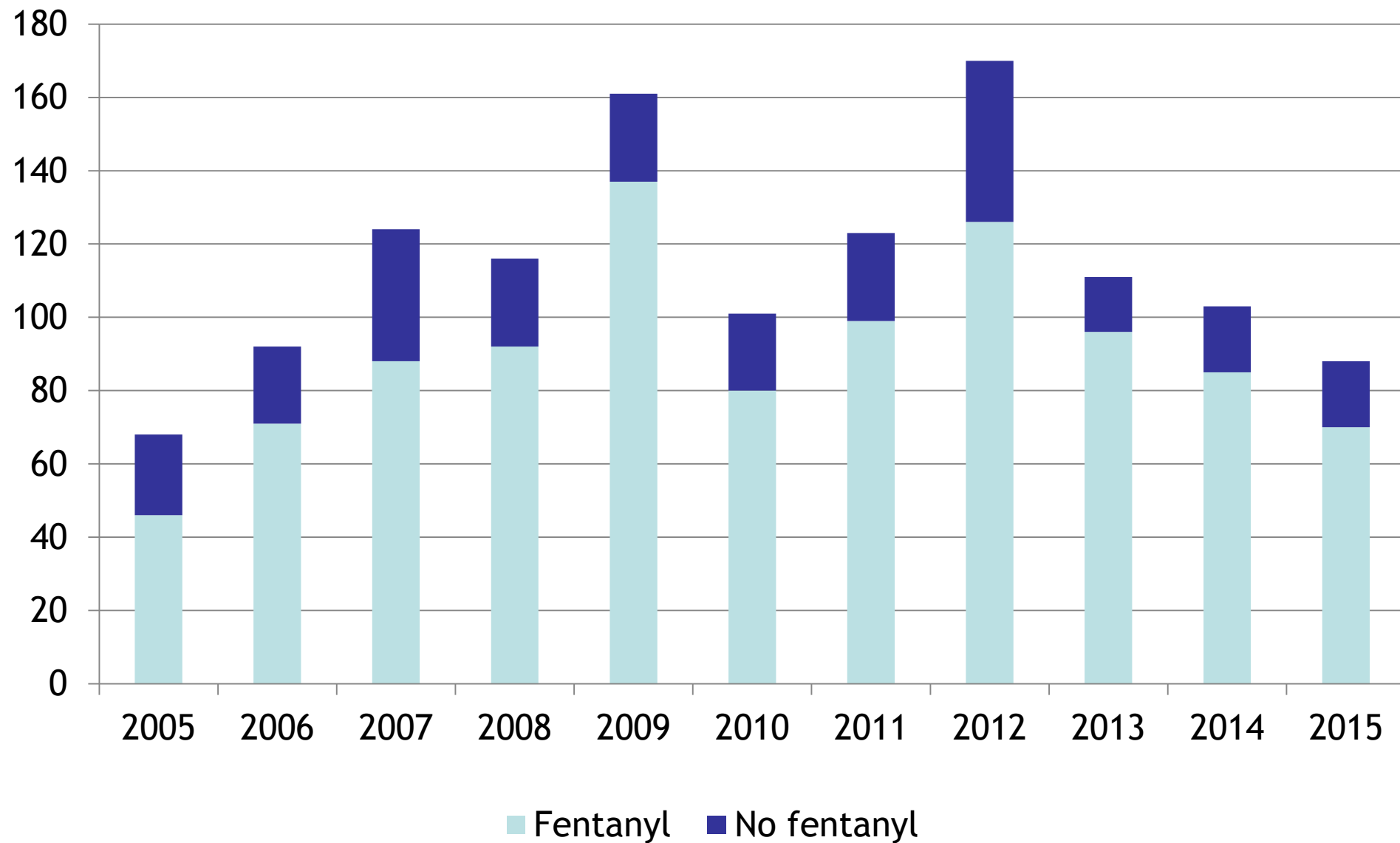
# Drug-induced deaths per million population aged 15-64 years



- Source: European Drug Report. Trends and Developments. 2015. EMCDDA 2015



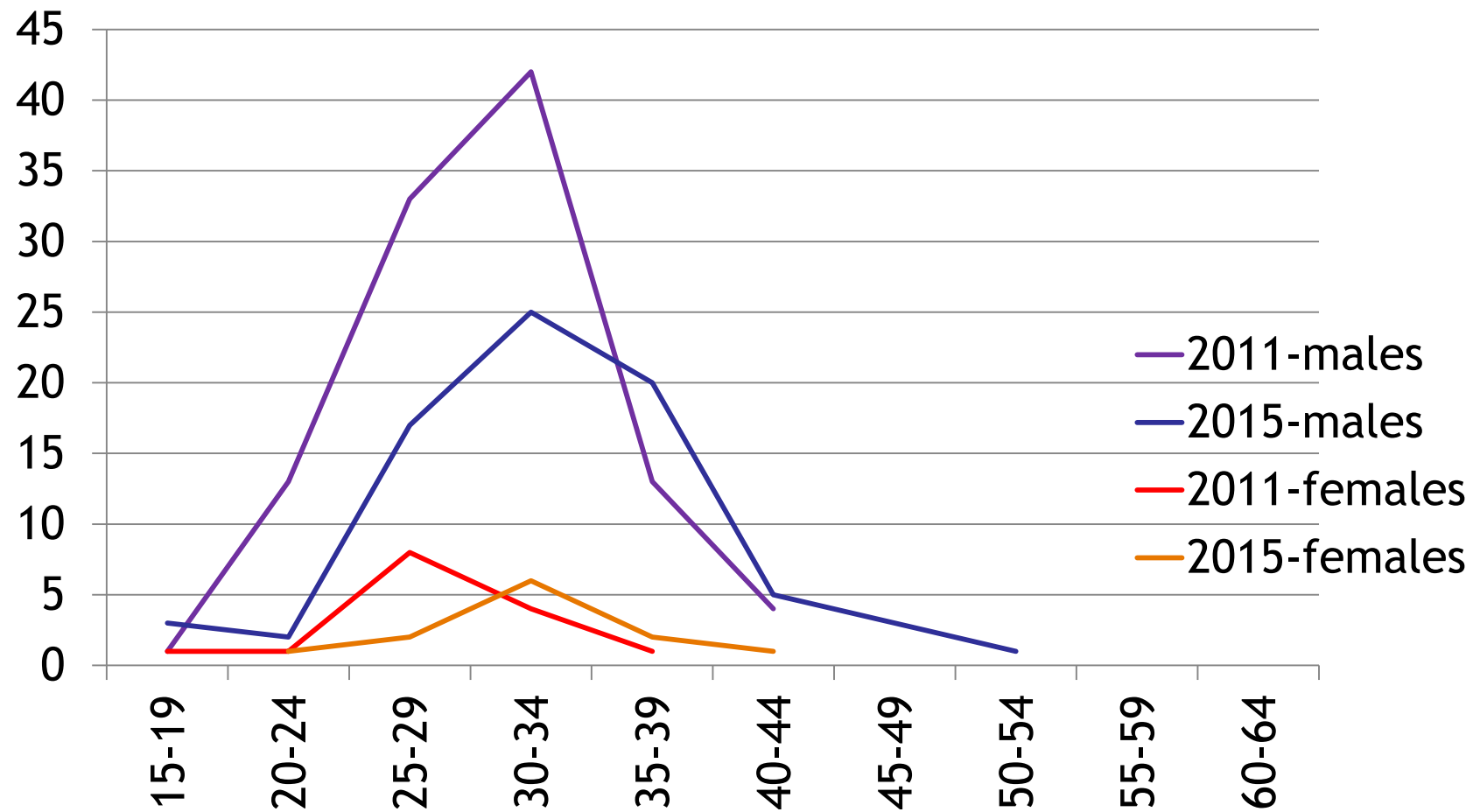
## Unusual toxicology pattern - fentanyles



Absolute numbers of DRD, Estonian Causes of Death Registry



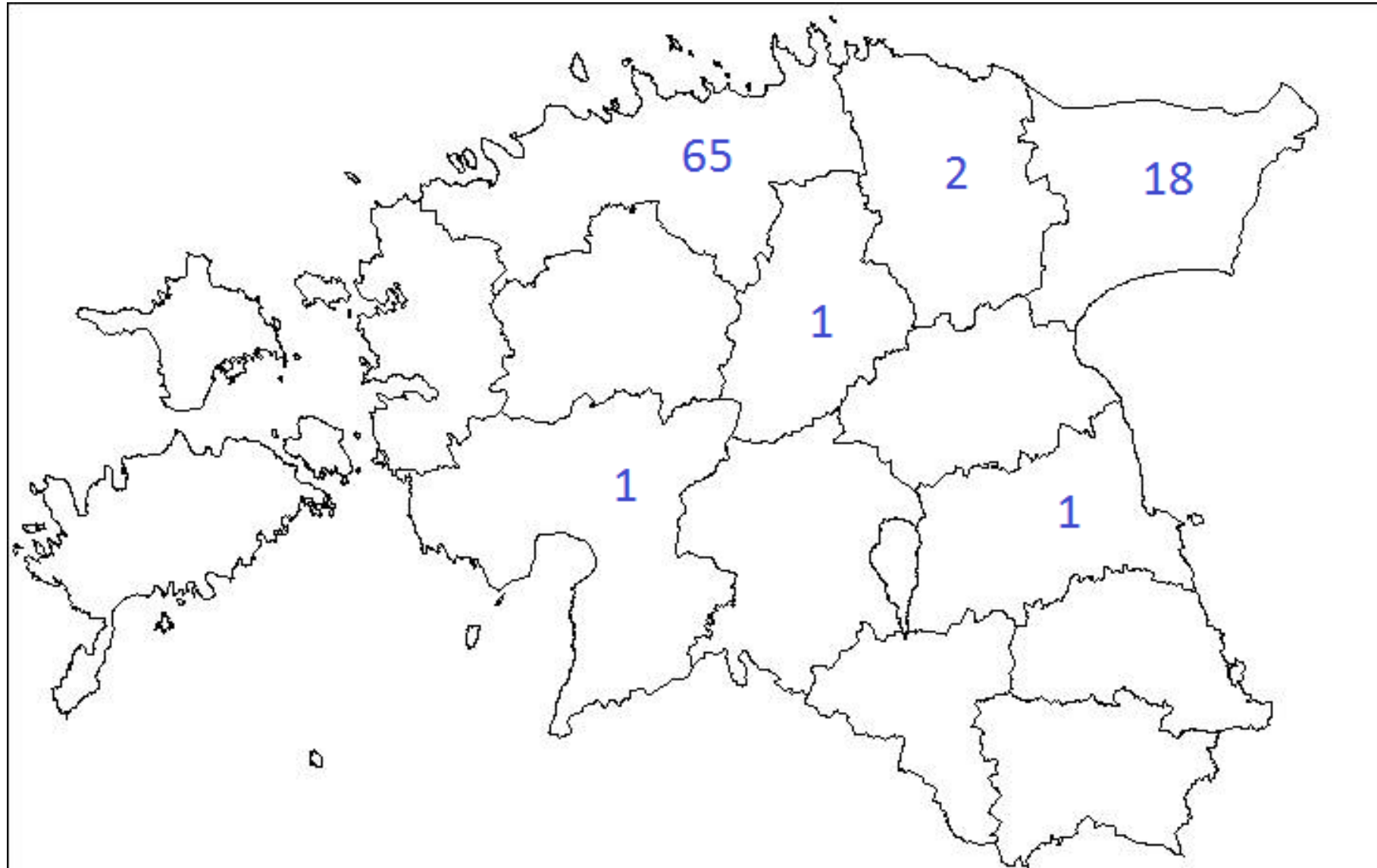
## Profile of the victims: sex and age



Absolute numbers of DRD, Estonian Causes of Death Registry

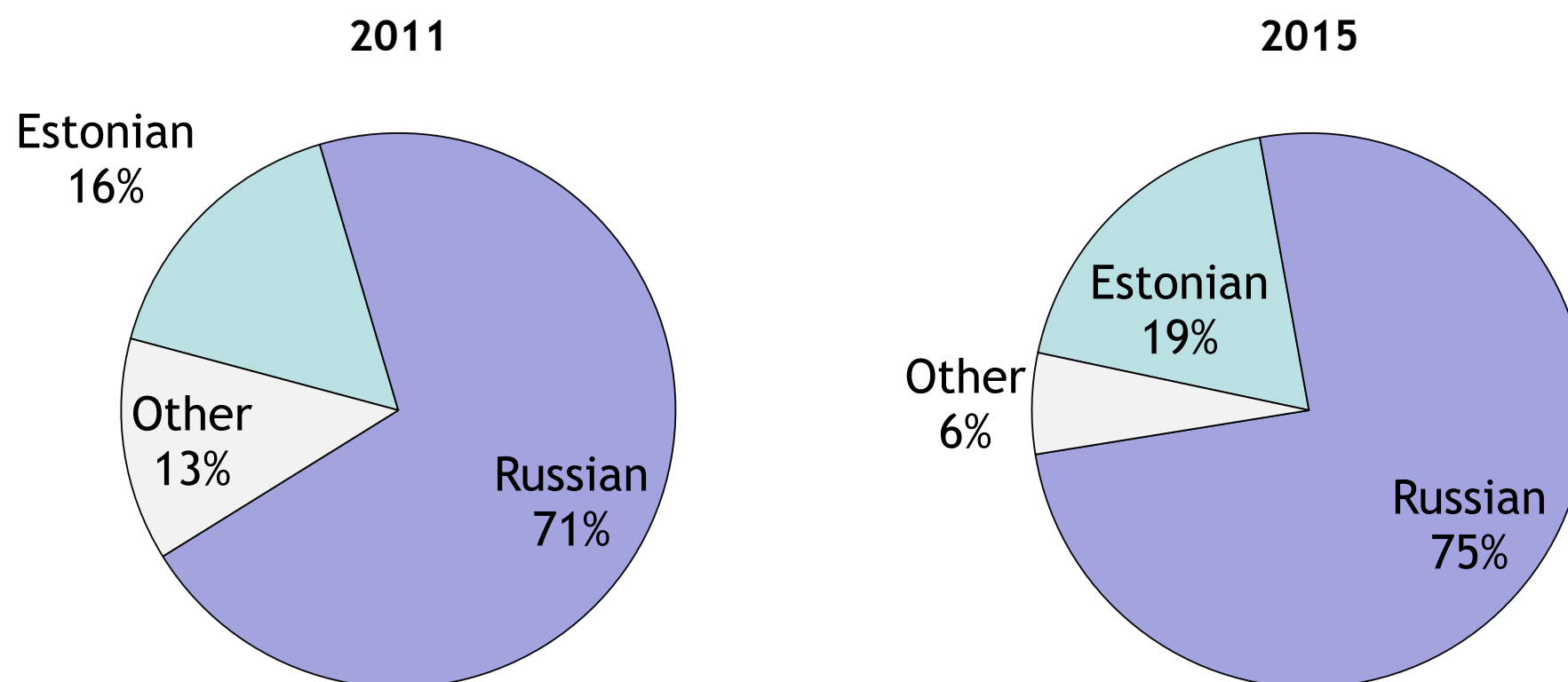


## Profile of the victims: place of residence



Absolute numbers of DRD in 2015, Estonian Causes of Death Registry

## Profile of the victims: ethnic origin



DRD, Estonian Causes of Death Registry



## IDU prevalence estimated by capture-recapture method

<b>Year</b>	<b>Absolute number</b>	<b>Prevalence 15-44 years age group, per cent, 95%CI</b>
<b>2004</b>	<b>13,886</b>	<b>1.4–5.9</b>
<b>2005</b>	<b>15,675</b>	<b>1.8-7.9</b>
<b>2008</b>	<b>11,493</b>	<b>1.4-5.0</b>
<b>2009</b>	<b>5,362</b>	<b>0.7-1.7</b>

**New study is planned for 2017**



## Results (2)

- In September 2013, the take home naloxone pilot program was launched in Estonia by National Institute for Health Development.
- Programs are implemented in Harju and Ida-Virumaa Counties, where the problem of injecting drug use is most acute.
- In total 1336 people received training (incl 1054 drug users) and 1331 naloxone kits were disseminated during the period of September 2013-December 2015.
- Most of the syringes were distributed to users of narcotic substances (n=1047).
- In 2015, in collaboration with the Ministry of Justice (special project with Switzerland), the program expanded to prisons for providing training and disseminate naloxone kits to the prisoners with prior history of opioid use before their release.
- In total 23 people received training and 11 naloxone kits were disseminated in 2015.



## Results (1)



	2013 (September-December)			2014 (January-December)			2015 (January-December)		
	Harju county	Ida-Virumaa county	TOTAL	Harju County	Ida-Virumaa County	TOTAL	Harju County	Ida-Virumaa County	TOTAL
Training courses	13	7	20	54	77	131	88	99	187
Participants in the training	56	33	89	309	424	733	205	309	514
<i>including drug users</i>	50	28	78	293	341	634	167	175	342
Persons receiving naloxone	56	33	89	309	420	729	205	308	513
<i>including drug users</i>	50	28	78	293	336	629	166	174	340
Repeated naloxone prescriptions	8	7	15	88	81	169	37	78	115

**In 2015, out of the 115 repeated prescriptions, 111 was reported as intended for medical use (4 were lost)**



## References

- NIHD Health Statistics and Health Research database / Mortality Table SD41: Direct drug-related deaths by sex and age  
[http://pxweb.tai.ee/esf/pxweb2008/Database\\_en/Population/04Deaths/04Deaths.asp](http://pxweb.tai.ee/esf/pxweb2008/Database_en/Population/04Deaths/04Deaths.asp)
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- The latest IDU population study  
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