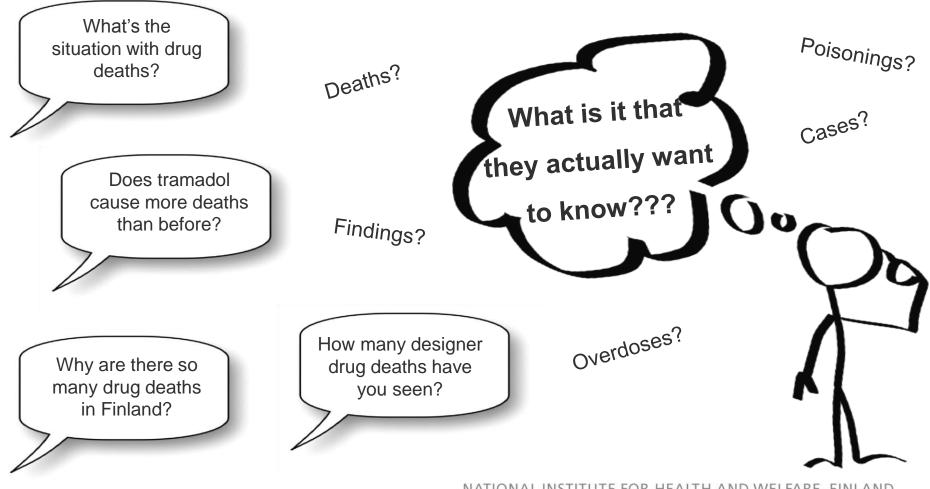
# All the different ways to look at TRAMADOL DEATHS

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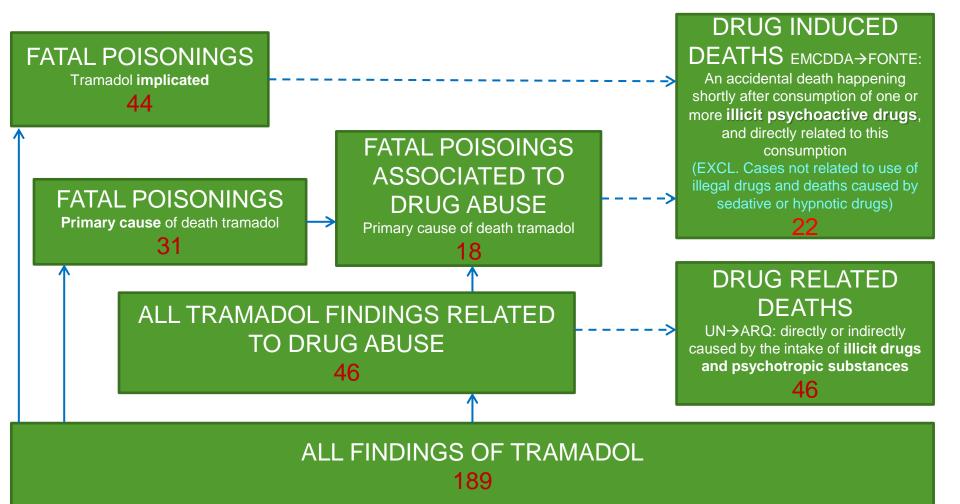




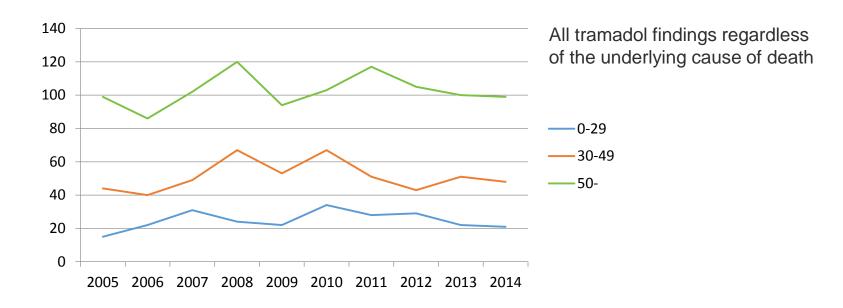
### **DEATHS & TRAMADOL**







### Age distribution in cases positive for tramadol



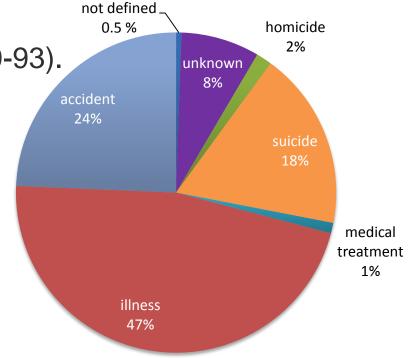


### All findings of tramadol in 2014

Detected in 189 cases.

Mean age 53 years (range 20-93).

Manner of death	Mean age
homicide	36.7
medical treatment	42.0
unknown	45.4
suicide	46.1
accident	46.8
illness	60.2





## Tramadol poisonings (selection D) (tramadol implicated)

- 22 cases in 2014
- In 17, tramadol was the most important finding
- 3 single poisonings
- Alcohol in five cases
- Mean age 31.3 years, 82% males



### Case example 1 ("Fonte case")

- Male, 28 years
- Alcoholism. "Had been eating prescription drugs like bread".
- Was found dead at home

   Fatal poisoning by tramadol 2.5 mg/L alprazolam 0.1 mg/L clonazepam (metab.) 0.38 mg/L pregabalin 15 mg/L amphetamine 0.04 mg/L

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### Case example 2 ("Non-fonte case")

- Female, 55 years.
- Found dead and putrefied at home.
- Suspected suicide by medicinal drugs. No history of drug abuse.
- Fatal poisoning by tramadol 21 mg/L
- Only other substance detected was citalogram (therap. conc.)



#### **Conclusions**

- "What you ask is what you get" (hopefully).
- The importance of
  - Clear protocols and checking that these are followed.
  - Continuity!
  - Identifying things that may affect trends.



