

# 'Metoo machine' for those who do not campaign

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## How are Finns talking about drugs?

A data science project by [Futurice's Chilicorn Fund](#) and [Citizen Mindscapes](#)  
With data provided by [Aller](#)

19M  
posts

200M  
words



16  
years

Traditional medical research is expensive and focused on predetermined research questions. On the other hand, there is a huge amount of freely accessible Suomi24 online discussion data where people candidly describe their experiences. The topics which appear in these discussions are those that people truly care about. We used machine learning to organize and present this data in a way that would be useful to researchers.

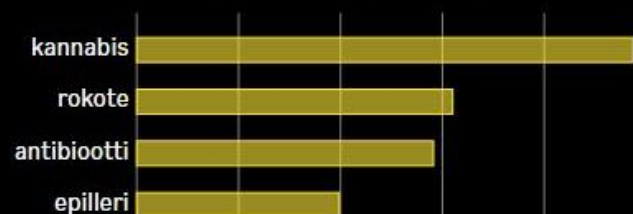
[Read the full story](#)

Enter any drug or symptom name (in Finnish)

SEARCH

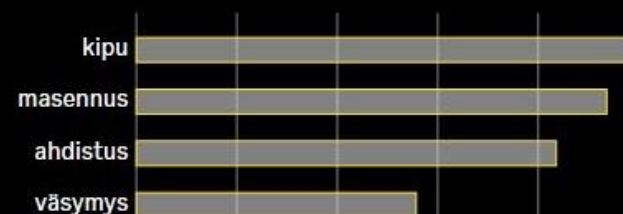
### Most mentioned drugs


Click the bars to see the posts



### Most mentioned symptoms

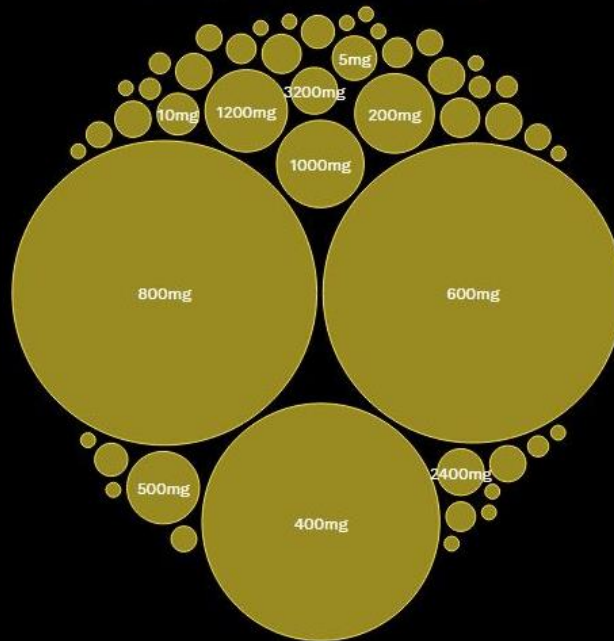
Click the bars to see the posts




Click the bubbles to see the posts 

### Related Dosages

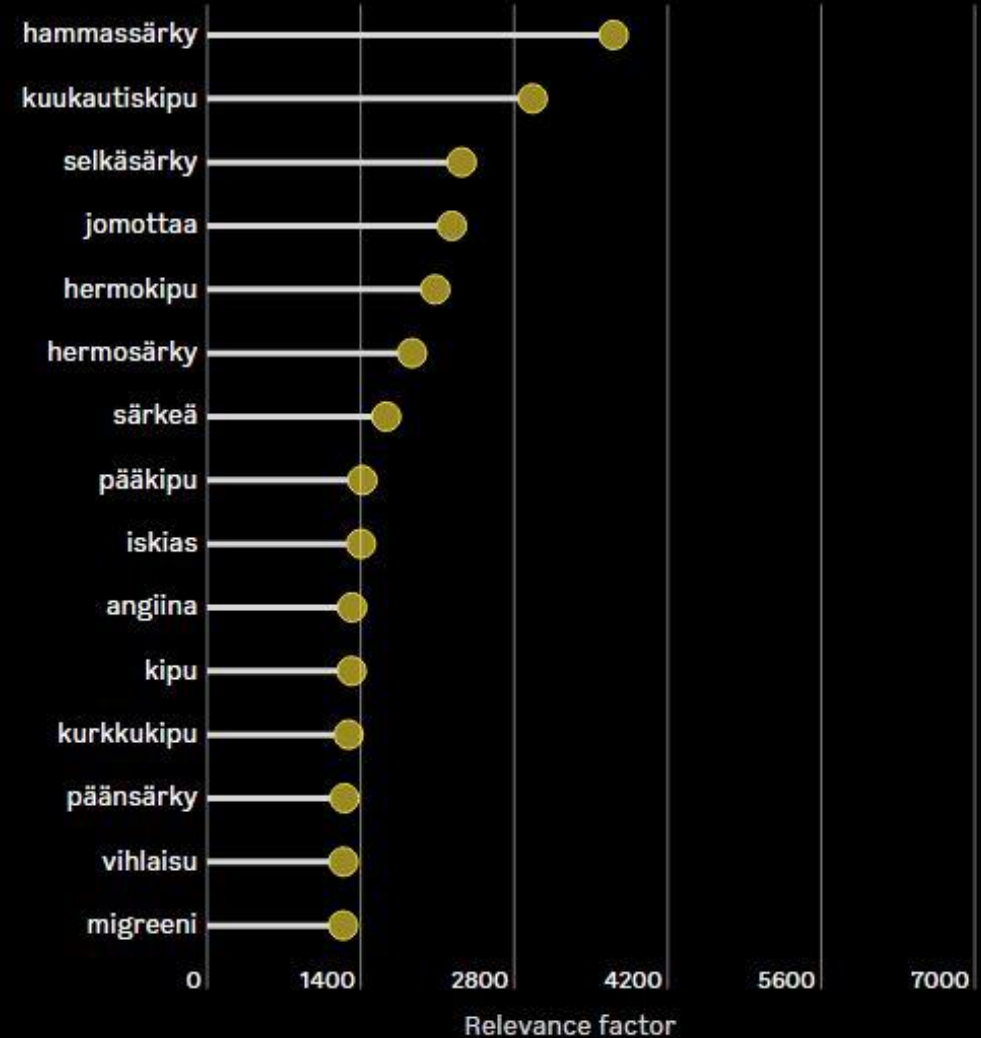
Dosages mentioned with burana




 This is not medical advice, the data only reflects what people talk about.

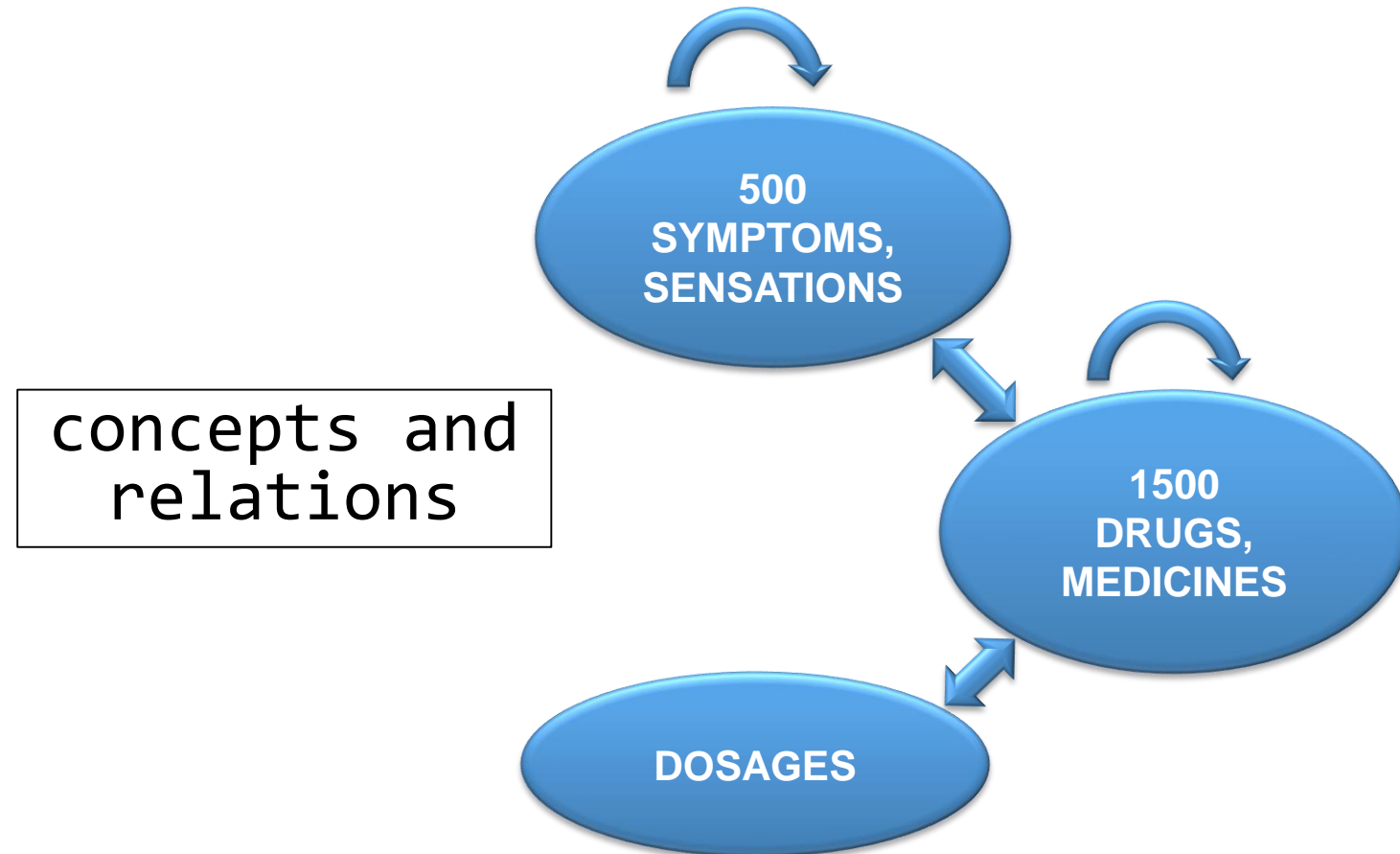
### Related Symptoms

Relevant terms mentioned with burana



 This is not medical advice, the data only reflects what people talk about. 06/11/2019

Ruckenstein, M. (2019). Tracing medicinal agencies: Antidepressants and life-effects. *Social Science & Medicine*, 112368.



# A focus on antidepressants

- 7 percent of Finns using them yearly
- Antidepressants appear to be far from ‘competent drugs’
- Major uncertainties in how depression is diagnosed and antidepressants are developed, tested and prescribed
- The poor efficacy and side-effects are an established feature of antidepressants, rather than an anomaly

# One drug at a time

- Antidepressants (general) 13,052 posts. Mirtazapin 3,039, Remeron 1,386, Venlafaxin 2,242
- Comments that name a certain antidepressant are written in the first person, either asking for advice, describing personal drug encounters or offering others advice and encouragement based on personal experiences

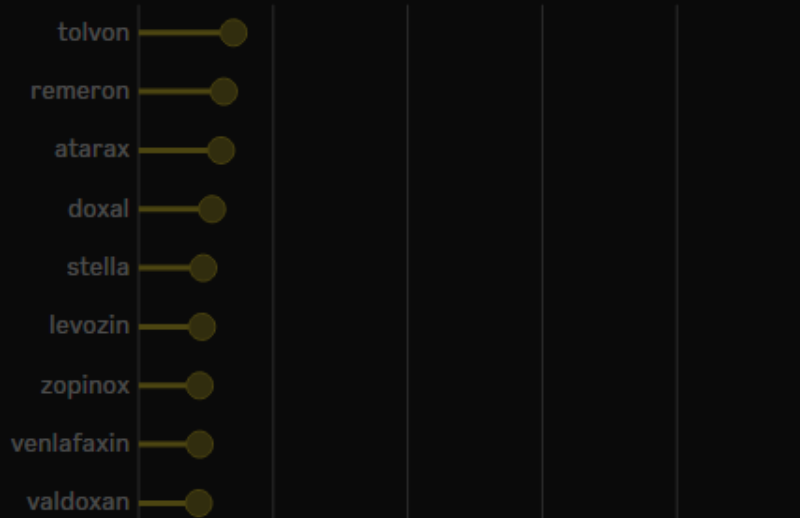
## Words interpreted as mirtazapin ×

mirtatsapiinistahan, mirtatsapiiniä,  
mirtatsapiiniyliannostuksen, mirtazapaniin, mirtazapiniin,  
mirta-kuuri, mirtatsapiinillä, mirtapaziinia, mirtapaziinin,  
mirtatzapiinista, mirtzapin, mirtazapiiini, mirtazapin-  
nimistä, mirtazapinenkin, mirtazapin+rivatriil+zopinox,  
mirtazapin-nimisestä, mirtasapiinia, mirtatsapiinia,  
mirta+mielialalääke, mirtasapiinista,  
mirtazapin=masislääke, mirtatsapiinin, mirtasapiinin,  
mirtatzapiinissahan, mirtatsapiinit, mirtazapin-lääkitys,  
mirtazapiinikin, mirtzapin-lääkkeen, mirtasapinin,  
mirtatsapiini-hoidon, mirtatsapiini-lääkkeen, mirtase,  
mirtazapiniä, mirtazapineita, mirtazapiini-väsytys,  
mirtatsapiinille, mirtatsapiini-nimistä, mirtatsapiini-ajan,  
mirtatsapiinilla, mirtatzapiinistä, mirtazipe, mirtatsapiini\,  
mirtazepiinistä, mirtakuurin, mirtatspiini, mirtazepin,  
mirtazapimia, mirtatsapiinitutkinus, mirtatasapiini,  
mirtatsapiini=, mirtazapiniinia, mirtatatsapiinia,  
mirtasapiineja, mirtazapin-lääkkeestä, mirtazapiiria,  
mirtazepiiniä, mirtazapin-mielialalääke, mirtsapäivä,  
mirtaan, mirtatzapini, mirtatsapiiini, mirtatsaapinin,

## Related Drugs

Relevant terms mentioned with mirtazapin

Click the bubbles to see the posts







## Posts with mirtazapin

parantaa laatua , niin tuli vaan mieleen , josko nukunkin nyt ikään kuin liian tehokkaasti ja siksi ei iltaisinkaan oikein väsyä . olisko kellään tietoa moisesta ?

[Full thread](#)

ahdistus määriteltiin yleistyneeksi ahdistuneisuushäiriöksi . kokeiltiin efe xo ria ( ihan kamala olo tuli , hypin seinille ja pupillit koko ajan isot , muutaman päivän jälkeen en nähnyt kunnolla ) , srri-lääkkeitä , joista olo paheni hirvittäväksi sitten vuosi mirtatsapiinia , joka vei vain pahimman kärjen ahdistukselta mutta lihotti hirveästi ja teki jotenkin kömpelön , höntin olon . nyt yli puoli vuotta ilman lääkkeitä paitsi hieman opamoxia jos paha ahdistus yllättää . ahdistus oli yleistä kaiken pelkoa , huimausta , väsymystä ym.



# Human-antidepressant articulations

## Qualitative inquiry

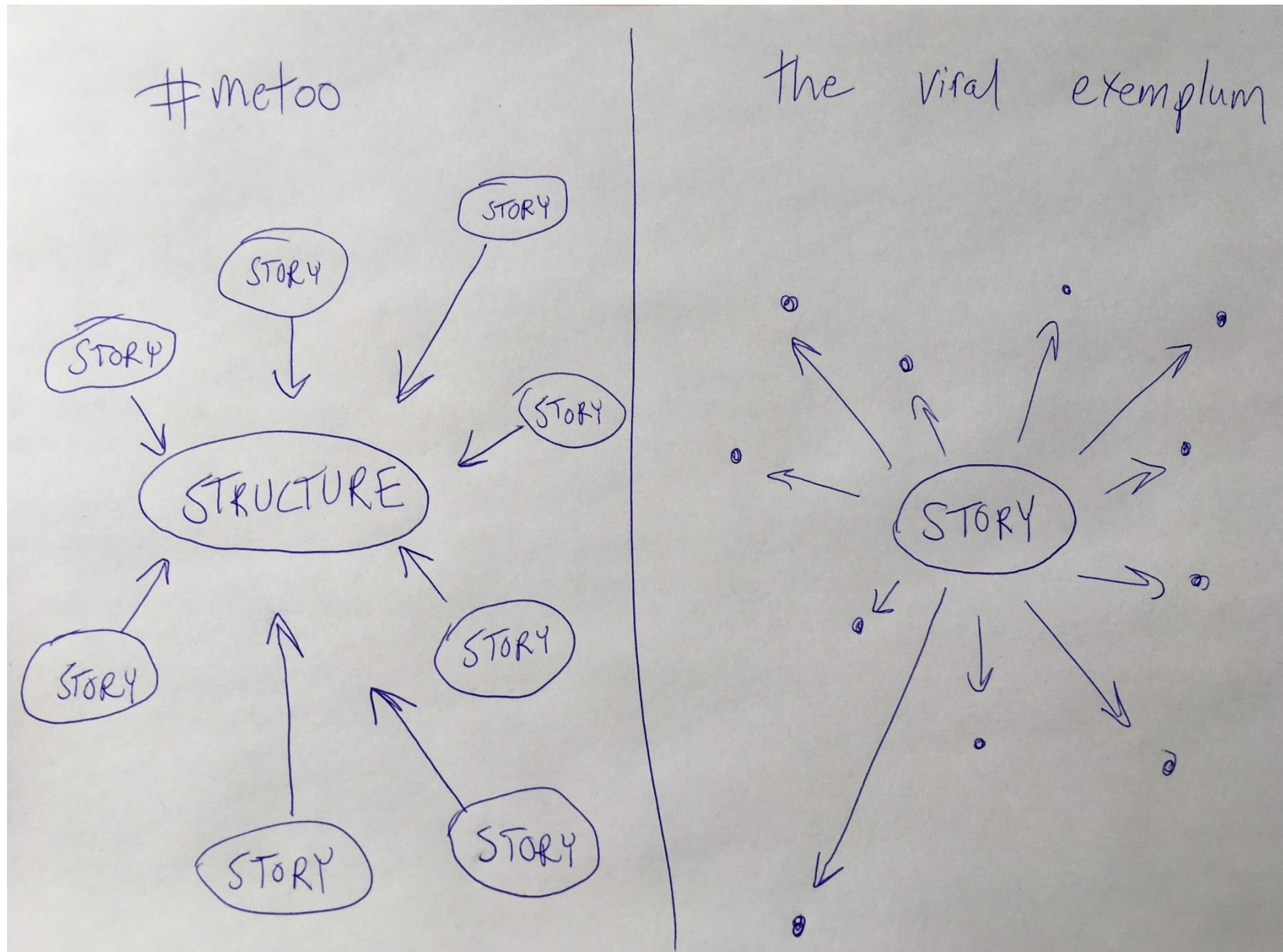
- Stabilizing antidepressant encounters
- Observing life-effects
- Coming to terms with life-effects

## Findings

- Digital datasets – no matter how large they are – might not uncover novel aspects of everyday medicinal encounters, but rather deepen earlier findings and offer them **collective weight**

- Medicine Radar pushes us to see more clearly collectively shared features of human-antidepressant experience.
- Participates in the research design by promoting a mode of observation that locates first-person accounts by tracing the drug.
- A view to a multi-first-person landscape – *n of many ones* (Nafus 2017)

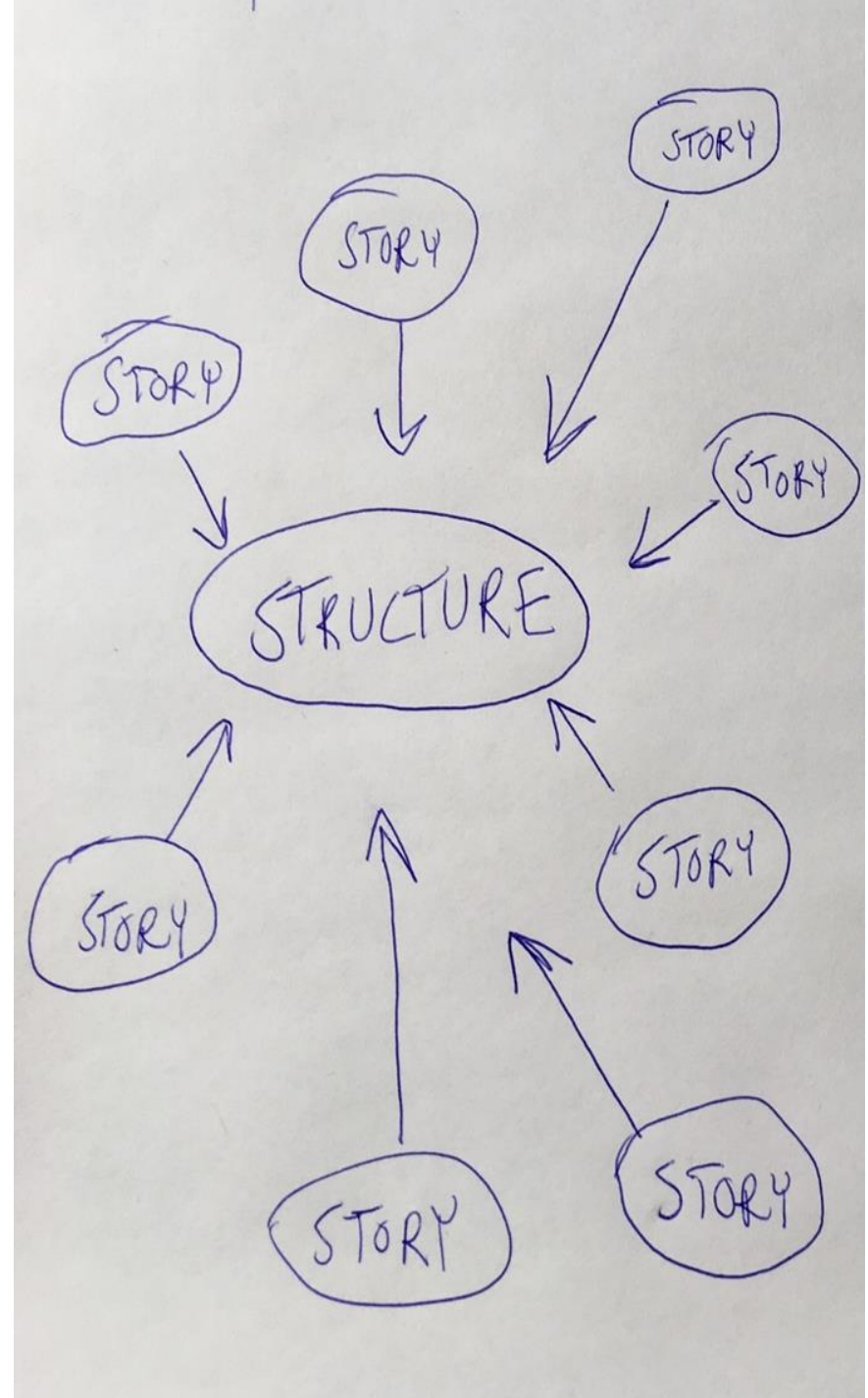
## #metoo ≠ viral exemplum



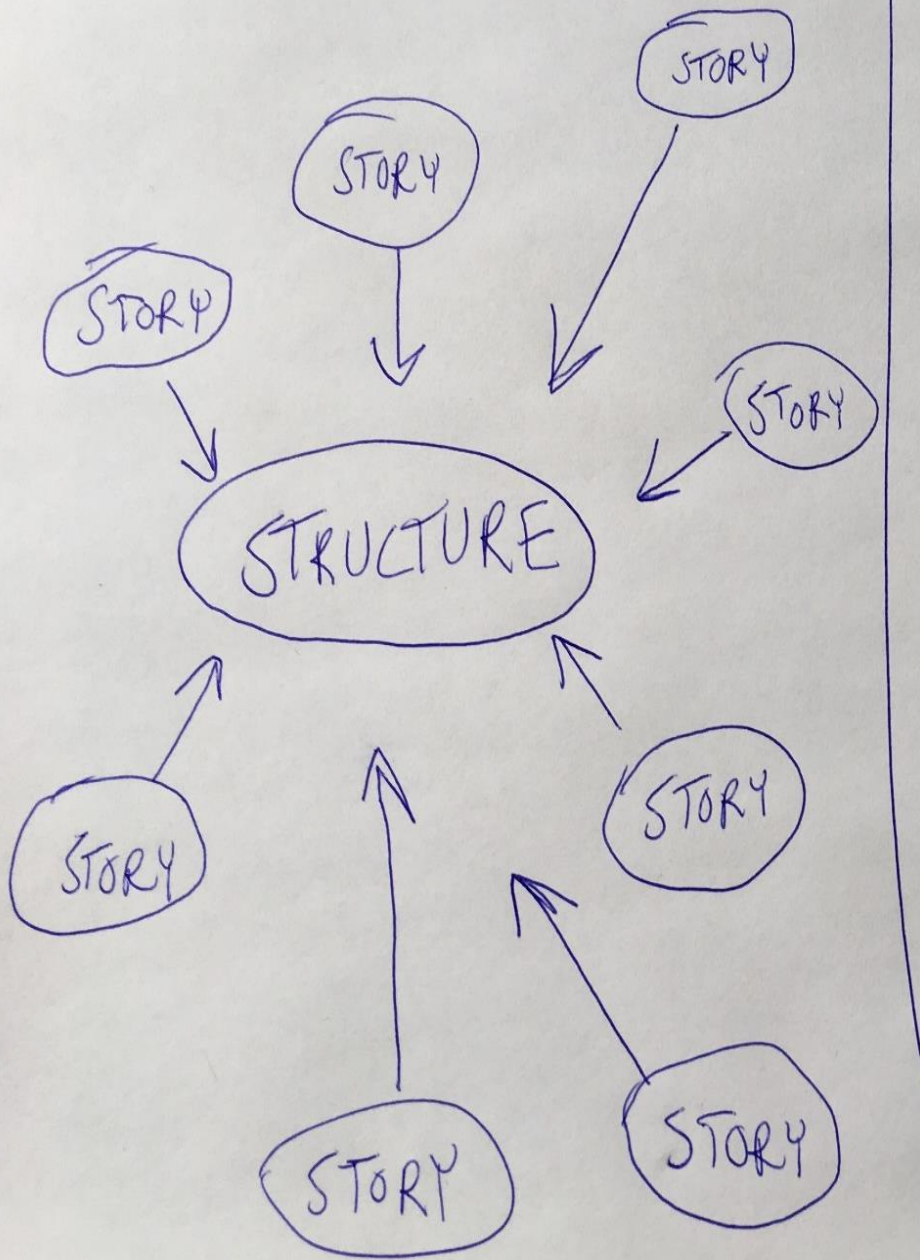
Maria Mäkelä: Dangers of narrative **#mindthenarrative**

# #metoo

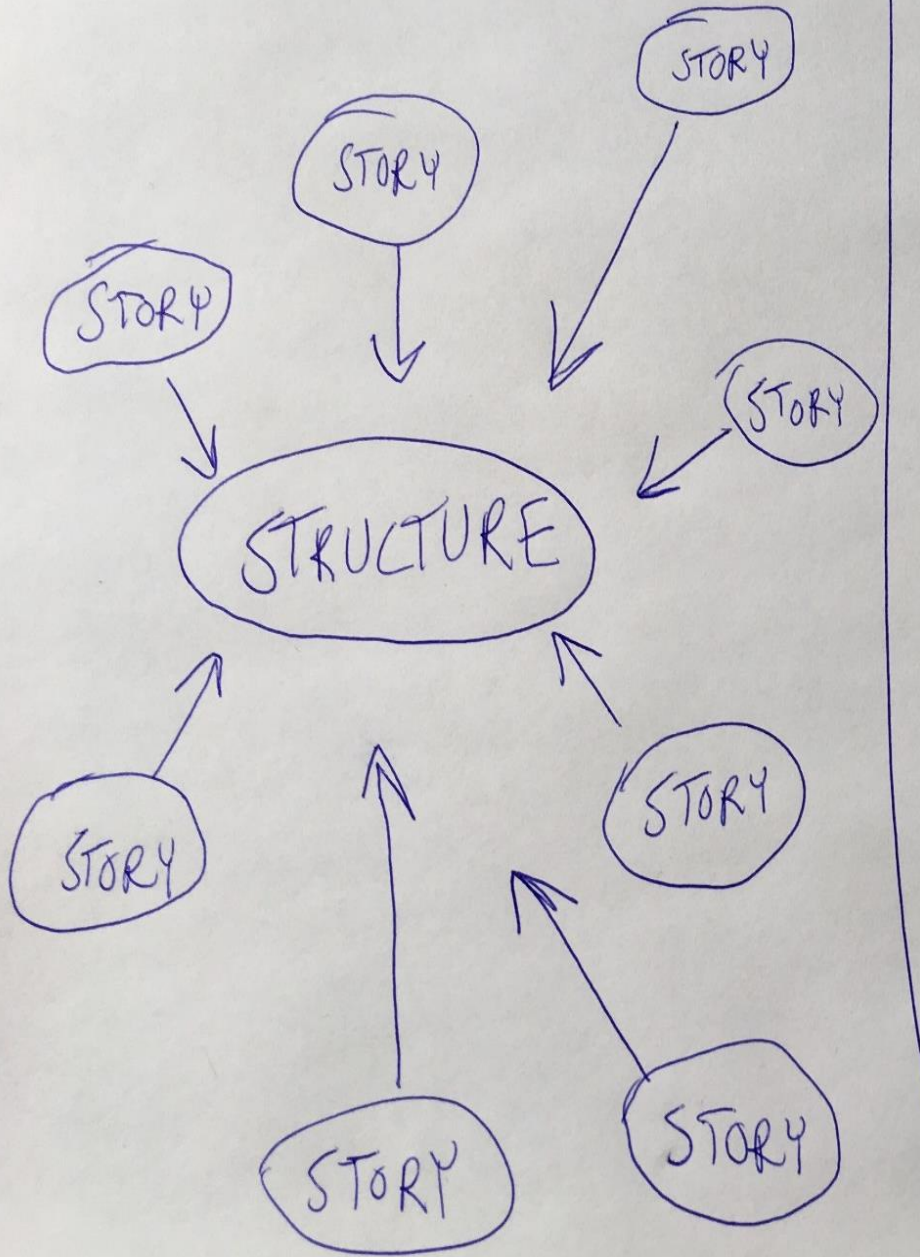
- Mobilises first person experiences
- A radar can offer a view to 'metoo experiences' that do not become a campaign







**The multi-first-person landscape** calls for seeing beyond the individual, giving form to the felt life-effects of antidepressants and ultimately raising more general questions about medicinal agencies and how **they should be dealt with collectively.**



- A machine for detecting patterned experiences that should be discussed ("Such a valuable paper. It begins filling scientific and medical gaps. And it sheds overdue light on the reality of what at least tens of millions of people now live with. I'm one of them.")
- Next exercise: asthma