



# PEMED 2018

Personalized and Precision Medicine  
 International Conference

June 25-27, 2018 | Paris

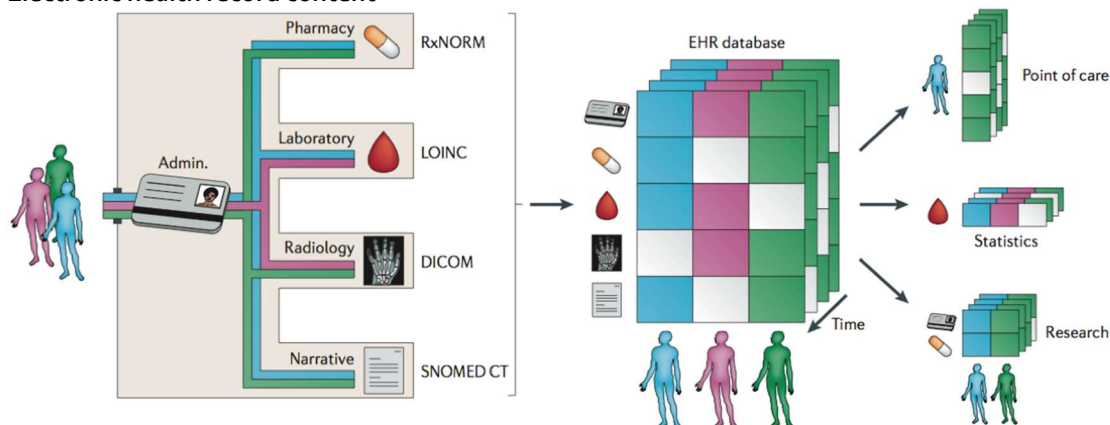
## Population-wide data and text mining of electronic health records

Prof. Lars Juhl Jensen

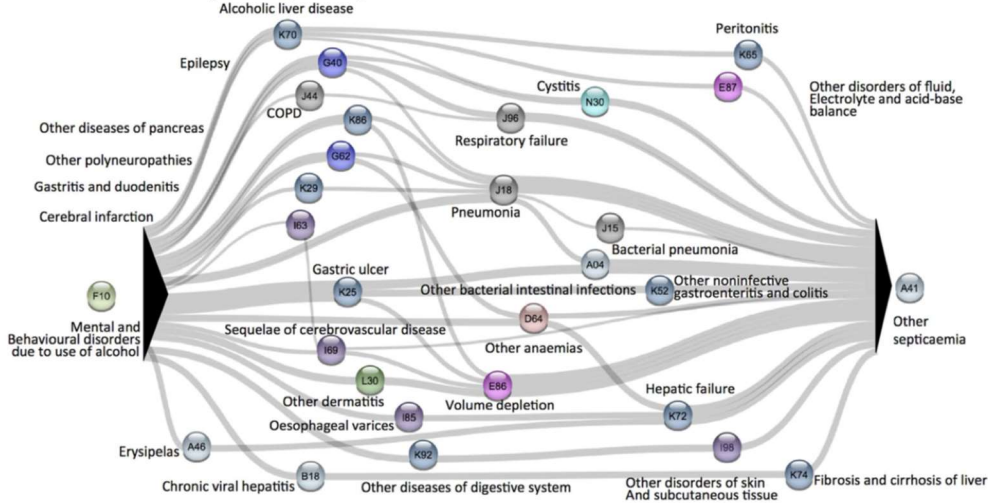
University of Copenhagen, Switzerland

Clinical data describing the phenotypes and treatment of patients is an underused data source that has much greater research potential than is currently realized. Mining of electronic health records has the potential for revealing unknown disease correlations, for better stratifying patients, and for improving post-approval monitoring of drugs for adverse drug reactions. In my presentation I will introduce the centralized Danish health registries and show how we use them for identification of temporal disease correlations, discovery of common diagnosis trajectories of patients, and thereby stratification of patients. I will also describe how we use text mining extract information also from the clinical narrative in electronic health records and use this for identification of new adverse reactions of drugs.

### Electronic health record content



**Alcohol related sepsis trajectory network**



[www.premc.org/conferences](http://www.premc.org/conferences)  
[pemed2018@premc.org](mailto:pemed2018@premc.org)