

Priv.-Doz. Dr. med Günther Heller

Other Perinatal Linkage Projects from  
Germany

# Other Perinatal Linkage Projects from Germany



- All Linkage Projects in Germany are based upon
  - a) Perinatal quality assurance survey
    - universe: births in hospitals (>98% of all births)
    - mandatory on the federal level since 2001
    - n = 710k births in 2015
  - b) Neonatal quality assurance survey
    - mandatory on the federal level since 2010
    - n = 101k births in 2015

Details of the surveys

=> [www.sqq.de](http://www.sqq.de)

in the near future

=> [www.igtig.org](http://www.igtig.org)

- No projects (few analyses) using vital statistics data
  - (since 2013 not even birth weight is recorded)

- Linkage Project from Lower Saxony (Dr. Nicholas Lack)
- Perinatal-Neonatal-Linkage-Projects  
(mandatory quality assurance)

## **on the level of federal states**

=> linkage based upon the data available within  
Perinatal-Neonatal Surveys.

e. g. Saxony (Gmyrek et al. 2011)  
general approach (Schnell & Borgs 2015)

## **on the federal level**

***attempt*** to link perinatal and neonatal surveys by using  
health insurance number of mother (...)

***proposition*** => linkage based upon the data available within  
Perinatal-Neonatal Surveys and the name of the mother, ..  
Bloom Filter => probabilistic matching of encrypted PID

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- For VLBWs  
=> Regulation  
Perinatal Centers (Level I and II) have to publish thier results on  
[www.perinatalzentren.org](http://www.perinatalzentren.org)  
Follow-Up-Examinations at two years of age (Bayley II)
  
- Epice (...)
- Up to now => no linkage with vital statistics data
- Linking Perinatal-Data with School-Entrance-Examinations  
(Marburg, Hesse, Germany, birth cohorts 1991-1994)  
=> using data available within a) and b) and name of the child  
(Heller et al. 2001 , Kratz 2005)

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## References

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