



# OHDSI China WG Introduction

Mui Van Zandt



# OHDSI CHINA WG

- Started on December 2016
- The overall goal of this WG is to promote healthcare observational studies in China through data science and informatics approaches. More specifically, we want to:
  - Extend and customize OHDSI data science approaches (e.g., standards, knowledge bases, and software) to Chinese clinical data
  - Enable big data-based Investigation of important global healthcare problems by building large observational data networks in China
  - Promote international collaboration and education in biomedical informatics



# WHO WE ARE

- WG Chair – Hua Xu
- Six sub-groups:
  - CDM and vocabulary: Guoqian Jiang, Cui Tao, Mui Van Zandt, Chunhua Weng, Lei Liu, Ling Zhang, Li Wang
  - Data analysis: Fei Wang, Yong Chen, Hui Lv, Lixia Yao
  - Natural language processing: Hongfang Liu, Buzhou Tang, Tianyong Hao
  - Software tools: Yonghui Wu, Xudong Lv
  - Privacy: Xiaoqian Jiang, Mengchun Gong
  - Community engagement: Yi Zhou, Jingsong Li
- 300+ participants from academic, government, and industry

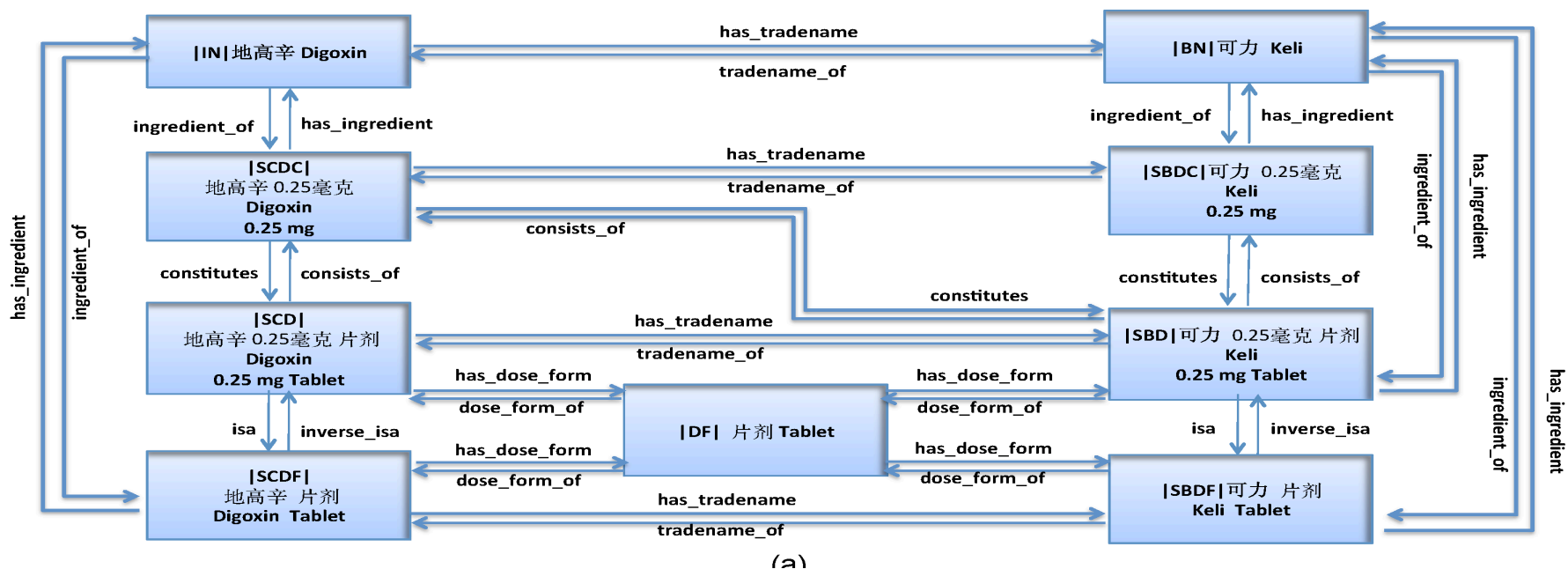




# WHAT WE DO

- CDM and vocabulary
  - Develop/translate ontologies in Chinese
  - Mapping between ontologies
- Data analysis
  - Analysis methods e.g., bias correction
- Natural language processing
  - Chinese clinical NLP system development
- Software tools
  - Chinese version of Atlas
- Privacy
  - Re-identification risk analysis
- Community engagement
  - Outreach, training, and collaborative studies

# EXAMPLE – Drug Vocabulary Development



Volume 25, Issue 7  
July 2018

## Toward a normalized clinical drug knowledge base in China—applying the RxNorm model to Chinese clinical drugs

Li Wang, Yaoyun Zhang, Min Jiang, Jingqi Wang, Jiancheng Dong, Yun Liu, Cui Tao, Guoqian Jiang, Yi Zhou ✉, Hua Xu

*Journal of the American Medical Informatics Association*, Volume 25, Issue 7, 1 July 2018, Pages 809–818, <https://doi.org/10.1093/jamia/ocy020>

Published: 04 April 2018 Article history







# JOIN US

- Annual OHDSI China Symposium
  - 2017 F2F meeting in Hangzhou (180 people)
  - 2018 F2F meeting in Guangzhou (500 people), with a 2-day tutorial
- OHDSI China Hackathon (by Mui and Christian)
  - 2018 April Shanghai
  - 2018 November Beijing
- Monthly OHDSI China Online Meeting
  - Second Friday of each month
- WeChat group
- OHDSI CHINA website: [www.ohdsichina.org](http://www.ohdsichina.org)

