IHME

The Global Burden of Alcohol

Results from the Global Burden of Disease Study 2015

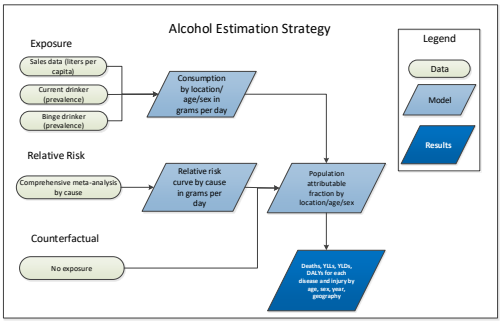
Max Griswold
Research Scientist

UNIVERSITY of WASHINGTON
Institute for Health Metrics and Evaluation

GBD study

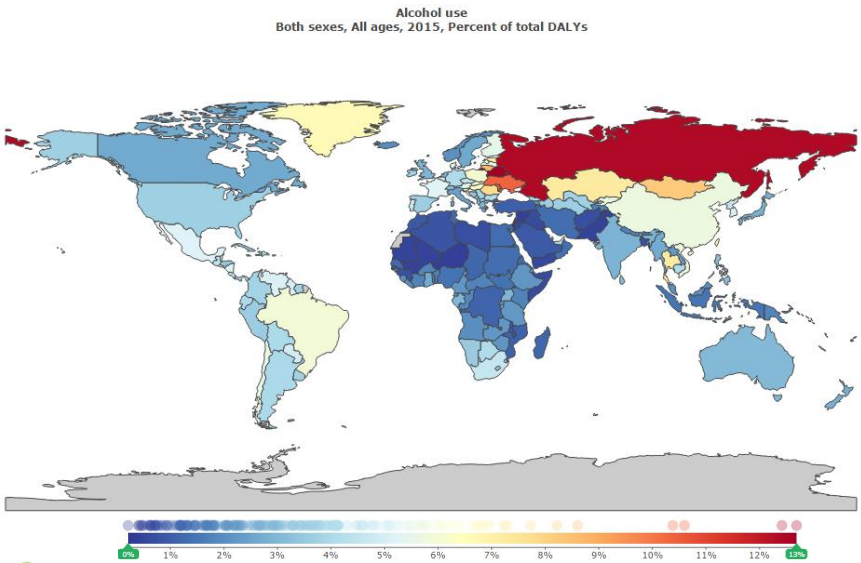
- Goal: Provide a comprehensive, quantitative picture of global health burden.
- Collects over 30k data sources for 249 causes of death, 315 diseases, disabilities, and injuries, and 79 risk factors.
- Approach:
  - Use all available health data.
  - Use modeling to provide complete location/age/sex estimates.
  - Quantify risk using comparative risk assessment approach.

GBD alcohol-use risk factor approach



- Model exposure in terms of grams per day.
  - Population-level from sales data
  - Individual-specific trends from survey data
- Measure risk for each cause through comprehensive meta-analysis on relative risks.
  - Modeled as a dose-response relationship in grams per day. Determines population attributable fraction.
  - Combined with causes of death estimates to calculate burden due to alcohol

Results



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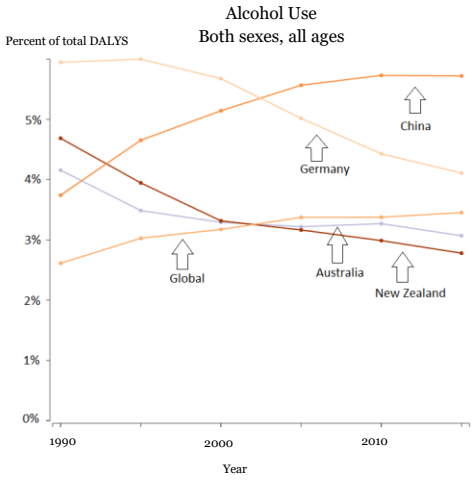

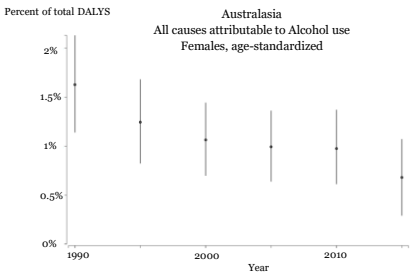

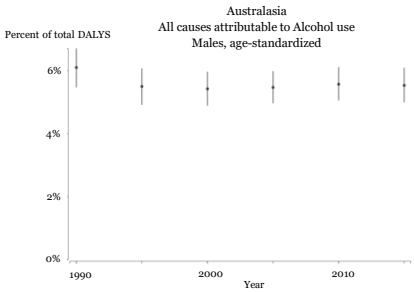

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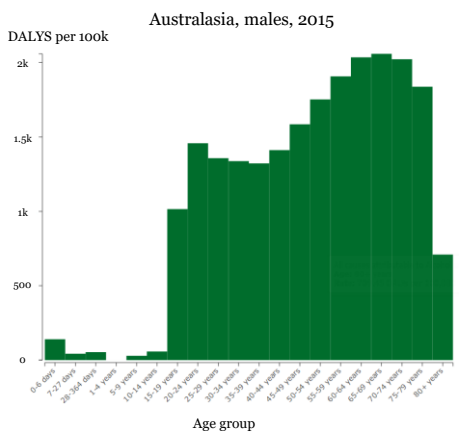
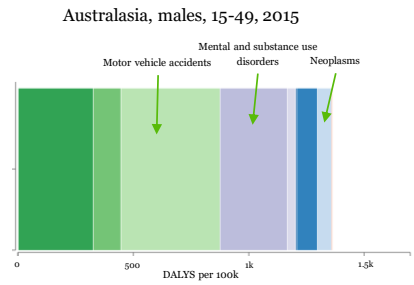
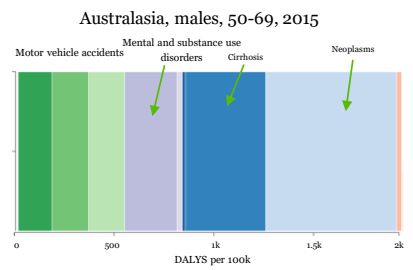
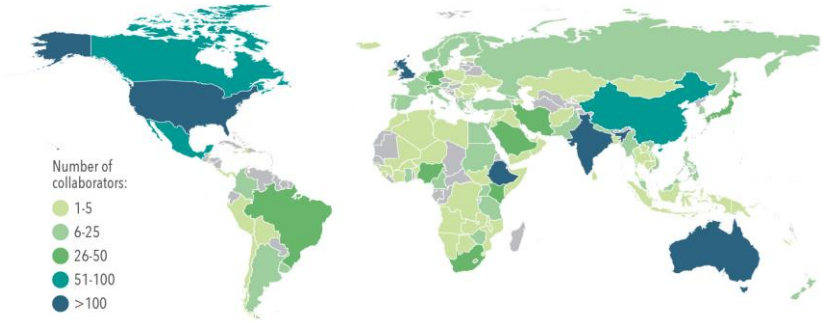






Full results and networking



Data & results:

https://vizhub.healthdata.org/gbd-compare/

My email:

mgriswol@uw.edu

Collaboration:

http://www.healthdata.org/gbd/call-for-collaborators

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