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CDA Foundation – Polaris Observatory

Modeling for policy change
The objective of a good data analytic program is to support *informed decision-making*.

Decisions are made based on perception rather than reality.

The role of a good data analytic program is to align reality and perception.
To support informed decision-making, data needs to be converted to insights.

The role of modeling is to convert data into insights to drive informed decisions.
Accelerate hepatitis B and C elimination through verified data, modeling, intervention strategies, expanded access, and knowledge-sharing partnerships.

**Mission Statement:** Provide data, tools, training, and decision analytics to support elimination of hepatitis B and C globally by 2030

http://polarisobservatory.org

**Mission Statement:** Provide access to low cost, quality medicines and diagnostics through pooled procurement

http://gprofund.org
Polaris Observatory was formed to use data analytics to support informed decision making

- Country-level and national reports on prevalence, incidence, diagnosed, treated, mortality & morbidity
- Global estimates on disease burden – adults & pediatrics
- National hepatitis strategy
- Populations to treat first
- Strategies for screening
- Collect, rank & summarize available research
  - Published papers
  - Gray literature
  - MoH reports
- Interview local experts & public health officials
- Model disease progression over time
- Estimate the impact of prevention, treatment & diagnosis on disease burden
- Training on how to use the models
- Cost effectiveness of intervention strategies
- Impact of prevention, diagnosis & treatment on national cost burden
Our Delphi process ensures that policy-makers have the best data available to make a decision
We have active collaborations with 85+ countries & HCV/HBV models for 100+ countries.
Our economic impact analyses determine the threshold price for cost
effectiveness & saving
Countries that have used our analyses to shape their hepatitis national strategy

- Australia
- Brazil
- Colombia
- Egypt
- Iceland
- Mongolia
- Morocco
- New Zealand
- Philippines
- Saudi Arabia
- Viet Nam

Influenced
- Belgium
- British Columbia
- France
- Ireland
- Japan
- Kyrgyzstan
- Luxembourg
- Mexico

Influenced
- Pakistan
- Qatar
- Russia
- Switzerland
- Taiwan
- United States (+ states)
- Uzbekistan
Conclusions

• There is a lot more data available than found in the published literature

• Modeling and data analytics have been a powerful tool to change policy and shape national strategies

• However, the conversations are even more important