

2016 CSTE Chronic Disease Preconference Workshop

Where is the Burden and What Does it Cost? Advanced Methods Using GIS and Tools for Applied Health Economics

Sunday June 19th, 2016

Tubughnenq' 3 Dena'ina Convention Center

- 8:30 – 8:45 AM** **Welcome, introductions, and workshop overview** (Renee Calanan, CO)
- 8:45 – 10:00 AM** **Data processing: Participants will geocode and de-identify point level data to be used for section II**
(Joshua L. Tootoo & Ruiyang Li –Rice University)
- The first session will introduce record level health data geocoding process by providing: An examination of the processes used to convert digital health records to point features; A discussion of data confidentiality/ data security issues associated with placing people on a map; and Best practices for data masking and aggregation techniques.
- 10:00 – 10:30 AM** **Morning Break** (Exhibit Hall Section 1 Dena'ina Convention Center)
- 10:30 – 12:00 PM** **Generating estimates with measurable error: Participants will use the tool to generate sub-county rates with an error measurement** (Joshua L. Tootoo & Ruiyang Li – Rice University)
- The second session will showcase an age adjusted rate calculation tool. This is a script based tool that allows users to input de-identified geocoded data to generate age-adjusted rates within the ArcGIS Desktop interface for desired health outcomes-at a number of spatial scales. This tool also provides a measure of error that can be interpreted and mapped.
- 12:00 – 1:15 PM** Lunch (*On your own*)
- 1:15– 2:10 PM** **Economic evaluation terminology 101** (Carsten Baumann, CO)
- Cost-inclusive, cost-benefit, cost-effective, cost-utility; what's the difference?
Costs, benefits, perspective, time horizon, sensitivity; how they define your study
- 2:15-3:00 PM** **Chronic Disease Cost Calculator: Introduction and Brief Tutorial** (Olga Khavjou, RTI)
- 3:00 – 3:30 PM** Afternoon Break (Exhibit Hall Section 1 Dena'ina Convention Center)



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- 3:30-4:00 PM** **Chronic Disease Cost Calculator: Using the tool to generate estimates for your state**
(Olga Khavjou, RTI)
- 4:00-5:00 PM** **Case study in estimating the value of an intervention** (Carsten Baumann, CO)
Putting it together; is the program worth it?
- 5:00-5:15PM** **Wrap-up** (Renee Calanan, CO)