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)